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Study of Lee-Side Flows Over Conically Cambered Delta Wings at Supersonic Speeds

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Scientific and Technical Information Office

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<sup>\*</sup>Pages 1 through 208 are published under separate cover.

#### APPENDIX C

# SURFACE PRESSURE COEFFICIENT DATA

The tabulated surface pressure coefficient data are referenced to free-stream conditions measured in the tunnel. Table CI defines the headings which appear in the tabulated data. Table CII is an index to the tabulated data that are presented in table CIII.

TABLE CI.- TABULATED SURFACE PRESSURE COEFFICIENT DATA SYMBOLS

Tabulated data headings	Definition
ALPHA	Angle of attack, $\alpha$
BETA	Angle of sideslip, $\beta$
ETA	Fraction of local wing semispan, η
НО	Stagnation pressure
MACH	Mach number, M
PINF	Free-stream static pressure, $p_{\infty}$
Q	Free-stream dynamic pressure, q
R/FT	Reynolds number per foot, R
X/L	Fraction of wing length, $x/l$

TABLE CII.- INDEX TO TABULATED SURFACE PRESSURE COEFFICIENT DATA

Point	Configuration	М	R	α, deg	β, deg	Page
7 9 10 11 12 13 14 15 16 17 26 25 24 22 21 20 33 34 35 36 37 52 51 50 49 48 47	75° delta wing with $\delta_{ m F} = $ 0°	1.50 1.50 1.50 1.50 1.50 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.7	2 × 10 <sup>6</sup> 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0 4 8 12 0 4 8 12 16 20 12 12 12 12 12 12 12 12 12 12 12 12 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	218 218 219 219 220 220 221 221 222 223 223 224 224 225 225 226 226 227 227 228 228 229 230 230 231
27 28 29 30 31 32	75° delta wing with $\delta_{ m F}^{}=0^{\circ}$	2.00	2 × 10 <sup>6</sup>	0 4 8 12 16 20	0	231 232 232 233 233 234
54 55 56 57 58 59 60 61 62 63 64 65 66	75° delta wing with $\delta_{\rm F}$ = 0°	2.40 2.40 2.40 2.40 2.40 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.8	2 × 10 <sup>6</sup>	0 4 8 12 16 20 0 4 8 12 16 20 12	0 0 0 0 0 0 0 0 0 0	234 235 235 236 236 237 237 238 238 239 239 240 240 241

TABLE CII.- Continued

Point	Configuration	М	R	α, deg	β, deg	Page
70 73 74 77	75° delta wing with $\delta_{ m F}^{}=$ 0°	2.80 2.80 2.80 2.80	2 × 106	4 4 4	2 -2 -4 -8	241 242 242 243
67 68 71 72 75 76 94 95 96 97 98 99	75° delta wing with $\delta_F = 0$ °	2.80	2 × 10 <sup>6</sup> 2 2 2 2 1 1 1 1 1 1	20 20 20 20 20 20 4 8 12 16 20 12	8 4 2 -2 -4 -8 0 0 0 0 0 0 0 8 4	243 244 245 245 246 246 247 247 248 248 249 249 250
89 86 82 85 92 91 88 87 83 84	75° delta wing with $\delta_{\rm F}$ = 0°	2.80	1 × 10 <sup>6</sup>	12 12 12 12 20 20 20 20 20 20	2 -2 -4 -8 8 4 2 -2 -4 -8	250 251 251 252 252 253 253 254 254 255
243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 265 266 267 269	75° delta wing with $\delta_{\rm F}$ = 5°	1.50 1.50 1.50 1.50 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.7	2 × 10 <sup>6</sup> 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0 4 8 12 0 4 8 12 16 12 12 12 12 12 12 12 12 12 12	0 0 0 0 0 0 0 0 -8 -4 -2 2 4 8 8 4 2 -2	255 256 256 257 257 258 258 259 260 260 261 261 262 262 263 263 264 264

TABLE CII.- Continued

Point	Configuration	М	R	α, deg	β, deg	Page
270 271 258 259 260 262 263 264	75° delta wing with $\delta_{ m F}$ = 5°	1.70	1 × 106	12 12 0 4 8 12 16 6	-4 -8 0 0 0 0	265 265 266 266 267 267 268 268
454 460 459 455 456 457 458 461 462 463 464 465 466 467 471 472 473 474 476 477 478	75° delta wing with $\delta_{ m F} = 5^{\circ}$	1.50 1.50 1.50 1.50 1.50 1.50 1.70 1.70 1.70 1.70 1.70 2.00 2.00 2.00 2.00 2.00 2.00	2 × 106	023456702345670234567	0	269 269 270 270 271 271 272 272 273 273 274 274 275 276 276 277 277 277 278 278 279
272 274 275 276 277 279 280 281 210 211 212 213 214 215 217 218	75° delta wing with $^{\delta}_{ m F} = 5^{\circ}$	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.40 2.4	2 × 106	0 4 8 12 16 20 5 3 0 4 8 12 16 20 0 4	0	279 280 280 281 281 282 282 283 283 283 284 284 285 285 285 286 286 286

TABLE CII. - Continued

Point	Configuration	M	R	α, deg	β, deg	Page
219 220 221 222 223 224 225 226 227 228	75° delta wing with $\delta_{ m F} = 5^{ m o}$	2.80	2 × 10 <sup>6</sup>	8 12 16 20 12 12 12 12 12	0 0 0 0 -8 -4 -2 2 4 8	287 288 288 289 289 290 290 291 291 291
229 230 231 232 233 234 235 236 237 238 239 240	75° delta wing with $\delta_{\rm F}$ = 5°	2.80	1 × 10 <sup>6</sup>	12 12 12 12 12 12 0 4 8 12 16 20	8 4 2 -2 -4 -8 0 0 0 0	292 293 294 294 295 295 296 296 297 297
288 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306	75° delta wing with $\delta_{\rm F}$ = 5° with forebody	1.50 1.50 1.50 1.50 1.50 1.70 1.70 1.70 1.70 1.70 2.00 2.00 2.00 2.00 2.00	2 × 10 <sup>6</sup>	0 4 5 6 8 12 0 4 5 6 8 12 0 4 5 6	0	298 299 300 300 301 301 302 302 303 303 304 304 305 305 306 306 307

TABLE CII.- Continued

Point	Configuration	М	R	α, deg	β, deg	Page
330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349	75° delta wing with $\delta_{ m F} = 10^{\circ}$	1.50 1.50 1.50 1.50 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.7	2 × 10 <sup>6</sup>	0 4 8 10 12 0 4 8 10 12 16 6 7 9 12 12 12 12 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	307 308 308 309 309 310 311 311 312 312 313 314 314 314 315 315 316 316 317
350 351 352 353 354 355 356 357 358 374 375 376 377 378 379 380 381 382 383 384 385 386	75° delta wing with $\delta_{ m F} = 10^{\circ}$	1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	1 × 106 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	0 4 6 7 8 9 10 12 16 12 12 12 12 12 12 12 7 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	317 318 318 319 319 320 320 321 321 322 323 323 323 324 324 325 325 326 326 327 328

TABLE CII.- Continued

Point	Configuration	M	R	α, deg	β, deg	Page
387	75° delta wing with $\delta_{\rm F}$ = 10°	2.00	2 × 106	0	0	328
388	, r	2.00		4	_	329
389		2.00		5		329
390		2.00		6		330
393	1	2.00		7		330
394		2.00		8		331
395		2.00		9		331
396		2.00		10		332
397		2.00		12		332
398		2.00		16		333
399		2.00		20		333
402		2.40		0		334
403		2.40		4		334
404	1	2.40		6		335
405		2.40		8		335
405		2.40		10		336
407		2.40		12		336
407		2.40		16		337
409		2.40				337
410				20		
		2.50		0		338
411		2.50		4		338
412		2.50		6	:	339
413		2.50		8		339
414		2.50		10		340
415		2.50		12		340
418		2.50		16	-	341
419		2.50		20		341
420	75° delta wing with $\delta_{\rm F}$ = 10°	2.80	2 × 106	12	<b>-</b> 8	342
421			2	12	-4	342
422			2	12	-2	343
423			2	12	2	343
424			2	12	4	344
425			2	12	8	344
426			1	0	0	345
427			1	4	0	345
428			1	6	0	346
430			1	8	0	346
431			1	10	0	347
432			1	12	0	347
433			1	16	0	348
434			1	20	0	348
435	1		1	12	-8	349
436			1	12	-4	349
437			1	12	-2	350
438			1	12	2	350
439			1	12	4	351
440	+		1	12	8	351

TABLE CII.- Continued

Point	Configuration	М	R	α, deg	β, deg	Page
133	75° delta wing with $\delta_{\rm F}$ = 15°	1.50	2 × 10 <sup>6</sup>	0	0	352
134	75 derta wing with of	1.50	2	4	0	352
135		1.50	2	8	0	353
136		1.50	2	12	Ö	353
127		1.70	2	0	0	354
128		1.70	2	4	Ő	354
129		1.70	2	8	0	355
130		1.70	2	12	0	355
131		1.70	2	16	0	356
121		1.70	2	12	<b>-</b> 8	356
122		1.70	2	12	-4	357
123		1.70	2	12	-2	357
124		1.70	2	12	2	358
125		1.70	2	12	4	358
126		1.70	2	12	8	359
137		1.70	ī	0	0	359
139	İ	1.70	ī	4	o	360
140		1.70	1	8	0	360
141		1.70	1	12	0	361
142		1.70	1	16	0	361
143		1.70	1	12	-8	362
145		1.70	1	12	-4	362
146		1.70	1	12	-2	363
147		1.70	1	12	2	363
148		1.70	1	12	4	364
149		1.70	1	12	8	364
150	75° delta wing with $\delta_{\rm F}$ = 15°	2.00	2 × 10 <sup>6</sup>	0	0	365
151		2.00		4	0	365
152		2.00		8	0	366
153		2.00		12	0	366
154		2.00		16	0	367
155		2.00		20	0	367
158		2.40		0	0	368
159		2.40		4	0	368
160		2.40		8	0	369
161		2.40		12	0	369
162		2.40		16	0	370
163		2.40		20	0	370
164		2.80		0	0	371
165		2.80		4	0	371
166		2.80		8	0	372
167		2.80		12	0	372
168		2.80		16	0	373
169		2.80		20	0	373
170		2.80		12	-8	374
171		2.80	1	12	-4	374
172		2.80		12	-2	375
174		2.80		12	2	375

TABLE CII.- Concluded

Point	Configuration	М	R	α, deg	β, deg	Page
175	75° delta wing with $\delta_{\rm F} = 15$ °	2.80	2 × 10 <sup>6</sup>	12	4	376
176	i i		2	12	8	376
177				20	-8	377
178			2 2	20	-4	377
179			2	20	-2	378
180			2 2	20	2	378
181			2	20	4	379
182			2	20	8	379
195			1 1	0	0	380
196			1	4	0	380
197			1 1 1	8	0	381
198			1	12	0	381
199				16	0	382
200			1	20	0	382
183			1	12	-8	383
186			1	12	-4	383
187			1	12	-2	384
190			1 1	12	2	384
191				12	4	385
194			1	12	8	385
184			1	20	-8	386
185	·		1	20	-4	386
188			1	20	<b>-</b> 2	387
189			1	20	2	387
192			1	20	4	388
193			1	20	8	388

TEST 1514 BATCH 1 RUN 1 POINT 7

Q = 450.79 HO = 1050.7 PINF = 286.2 R/FT = 2.000

MACH= 1.500 ALPHA= -.42 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0209	.0203	.0168	0309	0022	.0080	0.00
• 05	.0216	.0211	.0194	0400	.0011	.0062	• 05
.10	.0139	.0185	.0164	0391	.0034	0016	.10
.15	.0167	.0214	.0192	0351	.0027	.0035	.15
.20	.0190	.0096	.0184	0350	.0059	.0081	.20
•25	.0195	.0190	.0174	0327	.0052	.0099	.25
.30	.0216	.0198	.0184	0322	.0053	.0103	•30
.35	.0198	.0207	.0131	0907	.0041	.0118	.35
.40	.0211	9.0000	.0185	0273	.0053	.0102	•40
.45	.0159		.0000	0219	.0047	.0093	•45
• 50	.0200	.0183	.0188	0174	.0029	.0107	• 50
.55	.0164	.0207	.0177	0150	.0034	.0105	• 55
• 60	0357	.0159	.0175	0117	.0025	.0097	•60
•65	.0108	.0131	.0150	0089	.0000	.0083	• 65
.70	.0163	.0115	.0142	0043	.0012	.0075	.70
.75	.7358	.0106	.0110	.0002	.0023	.0085	.75
.80		.0081	.0110	.0032	0003	•0065	.80
.85		0063	.0081	0009	0081	•0047	.85
• 90		0286	0188	0101	0180	0150	•90

TEST 1514 BATCH 1 RUN 1 POINT 9

Q = 451.09 HO = 1051.4 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 3.59 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0255	0280	0211	0680	0365	0343	0.00
•05	0251	0270	0186	0746	0343	0348	.05
.10	0325	0293	0218	0722	0372	0435	.10
•15	0307	0263	0200	0674	0414	0374	.15
•20	0250	0352	0218	0660	0383	0333	.20
•25	0283	0270	0217	0632	0376	0291	.25
.30	0201	0254	0202	0626	0366	0274	.30
•35	0258	0237	0202	0793	0375	0236	.35
•40	0142	9.0000	0188	0537	0366	0223	.40
.45	0232		.0000	0480	0349	0205	.45
• 50	0250	0205	0135	0404	0305	0141	• 50
• 55	0456	0200	0190	0371	0271	0155	• 55
•60	1972	0592	0554	0522	0542	0471	.60
• 65	2050	1473	1509	1233	1480	1419	. 65
.70	1926	2200	2306	2314	2445	2393	.70
•75	.7472	1923	2246	2517	2384	2446	.75
.80		1694	1717	1822	1840	1794	.80
.85		1725	1608	1649	1804	1700	.85
•90		1055	1633	1639	1728	1659	•90

TEST 1514 BATCH 1 RUN 1 POINT 10

Q = 450.96 HO = 1051.1 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 7.57 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0674	0709	0691	1098	0870	0749	0.00
•05	0670	0713	0650	<b></b> 1176	0866	0768	.05
.10	0780	0745	0681	1192	0856	0853	.10
.15	0837	0782	0687	1170	0842	0766	.15
.20	<b></b> 0751	0905	0728	1114	0796	0692	•20
•25	0842	0818	0693	1074	0793	0662	.25
•30	0809	0824	0691	1080	0797	0663	•30
•35	0968	0856	0753	0735	0846	0692	•35
.40	1284	9.0000	0868	1114	0944	0817	•40
.45	1536		.0000	1278	1204	1107	.45
• 50	2432	1704	1632	1664	1708	1640	• 50
• 55	2760	2461	2382	2311	2472	2498	• 55
•60	<b></b> 3116	3225	3198	3159	3383	3422	•60
•65	2864	3225	3467	3828	3929	<b></b> 3838	• 65
•70	2814	2881	2961	2950	2937	2929	.70
•75	.7710	2674	2661	2702	<b></b> 2755	2824	.75
.80		2651	2592	2635	2707	2815	•80
•85		2763	2641	2727	2860	2942	.85
•90		1832	2606	2569	2629	2662	•90

TEST 1514 BATCH 1 RUN 1 POINT 11

Q = 451.00 HO = 1051.2 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 11.58 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1131	1165	1128	1615	1361	1288	0.00
• 05	1223	1212	1153	1735	1377	1341	.05
.10	1687	1391	1323	1901	1452	1461	.10
•15	1693	1688	1610	1966	1409	<b></b> 1357	.15
.20	1522	1748	1669	1692	1321	1244	.20
•25	1600	1604	1565	1585	1332	<b></b> 1305	.25
•30	1986	1628	1550	1685	1474	1479	.30
•35	2071	1883	1810	0674	1739	1746	.35
•40	3028	9.0000	2167	2192	2153	2189	•40
•45	3075		.0000	2665	2727	2774	.45
• 50	3938	3279	3241	3245	3379	3414	•50
• 55	3861	3859	3841	<b></b> 3855	4010	4063	•55
• 60	3810	3999	4186	4351	4496	4535	•60
•65	3624	3719	<b></b> 3761	<b></b> 3738	3792	<b></b> 3776	• 65
•70	3625	3553	3503	3462	3558	3618	.70
.75	.8051	<b></b> 3475	3438	3433	3521	<b></b> 3587	.75
.80		<b></b> 3463	3438	3468	3549	3609	.80
•85		3566	3532	3605	3700	3779	.85
• 90		2657	3455	3414	3473	3555	•90

TEST 1514 BATCH 1 RUN 2 POINT 12 Q = 456.49 HO = 1113.8 PINF = 225.6 R/FT = 2.001

MACH= 1.700 ALPHA= -.28 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0220	.0198	.0178	0249	0017	.0012	0.00
.05	.0233	.0211	.0210	0309	.0008	.0020	.05
.10	.0171	.0192	.0189	0291	.0010	0054	.10
.15	.0191	.0217	.0225	0247	.0001	0011	.15
.20	.0200	.0139	.0222	0231	.0028	.0030	.20
.25	.0209	.0213	.0218	0212	.0028	.0047	.25
.30	.0227	.0215	.0226	0211	.0022	.0055	.30
.35	.0205	.0214	.0216	.0851	.0007	.0076	•35
.40	.0214	9.0000	.0216	0144	.0017	•0074	•40
.45	.0174		.0000	0118	.0010	.0050	•45
.50	.0194	.0196	.0205	0072	.0005	.0052	• 50
•55	.0173	.0213	.0190	0018	.0003	.0044	• 55
.60	0278	.0178	.0181	.0043	0001	•0044	•60
.65	.0122	.0169	.0161	.0094	0019	.0041	•65
.70	.0170	.0145	.0160	.0111	0012	.0030	•70
.75	• 5934	.0140	.0128	.0116	0002	.0027	.75
.80	_	.0130	.0115	.0112	0010	0003	•80
.85		.0019	.0105	.0055	0082	0009	.85
.90		.0032	0198	0051	0218	0172	•90

TEST 1514 BATCH 1 RUN 2 POINT 13

Q = 456.82 HO = 1114.6 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 3.72 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0204	0228	0211	0588	0377	0360	0.00
.05	0198	0212	0178	0643	0355	0354	.05
.10	0213	0241	0193	0626	0352	0424	.10
.15	0226	0215	0165	0586	0375	0359	.15
.20	0194	0276	0152	0589	0354	0325	.20
•25	0223	0204	0147	0571	0356	0298	•25
.30	0144	0197	0141	0584	0351	0282	.30
•35	0220	0192	0146	.0934	0359	0277	•35
•40	0129	9.0000	0128	0482	0340	0289	•40
•45	0204		.0000	0421	0313	0280	•45
•50	0398	0179	0096	0343	0274	0218	•50
•55	0505	0203	0165	0280	0269	0225	• 55
•60	1731	0659	0611	0446	0626	0597	.60
.65	1748	<b></b> 1541	1535	1234	1526	<b></b> 1575	• 65
.70	1661	1925	2095	2093	2226	2251	.70
.75	.5881	1695	1940	2101	2044	2033	•75
.80		1555	1553	1550	1635	1644	.80
.85		1565	1468	1450	1632	1625	•85
.90		0688	1451	1397	1541	1525	•90

TEST 1514 BATCH 1 RUN 2 POINT 14

Q = 456.65 HO = 1114.2 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 7.73 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	37 /7 1	V/T 0	37/7 0		/	4	
ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0584	0632	0608	1010	0832	0766	0.00
•05	0594	0619	0583	1065	0802	<b></b> 0751	.05
.10	0674	0655	0627	1062	0806	0794	.10
•15	0740	0696	0650	1033	0807	0731	.15
•20	0643	0805	0699	0982	0774	0684	•20
.25	<b></b> 0762	0736	0674	0949	0783	0688	.25
.30	0733	0748	0686	0967	0793	0695	.30
•35	0891	0793	0751	.0961	0840	0719	.35
•40	1403	9.0000	0877	0987	0943	0851	•40
•45	<b></b> 1463		.0000	1185	1208	1179	.45
• 50	2478	1634	1633	1592	1688	1733	•50
•55	2571	2302	2284	2237	2394	2511	• 55
•60	2676	2824	2911	2939	3109	3158	•60
•65	2481	2626	2777	2978	2942	2833	.65
•70	2471	2461	2491	2456	2536	2559	.70
•75	•6066	2379	2364	2351	2467	2545	•75
•80		2404	2344	2341	2495	2577	.80
.85		2433	2387	2432	2566	2596	.85
•90		1418	2193	2132	2273	2267	•90

TEST 1514 BATCH 1 RUN 2 POINT 15

Q = 456.53 HO = 1113.9 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 11.75 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0911	1000	1006	1442	1319	1142	0.00
.05	1016	1041	1029	1533	1343	1230	.05
.10	1498	1208	1192	1677	1394	1344	.10
.15	1527	1484	1473	1762	1320	1274	.15
.20	1368	1538	1523	1555	1248	1177	.20
•25	1458	1404	1436	1436	1251	1235	.25
•30	1799	1429	1404	1551	1385	1400	.30
•35	1926	1671	1641	.1004	1626	1662	.35
•40	<b></b> 2675	9.0000	1974	1964	1990	2063	.40
•45	2804		.0000	2419	2486	2570	•45
• 50	3302	2940	2931	2905	3009	3086	• 50
•55	3264	3334	3368	3362	3469	3550	• 55
• 60	3173	3254	3388	3566	3574	3615	•60
•65	3127	3124	3148	3155	3156	3190	.65
•70	3044	3058	3048	3033	3092	3152	.70
•75	.6726	3029	3012	3004	3091	3138	.75
.80		3081	3058	3040	3156	~.3194	.80
.85		3128	3112	3128	3229	3277	.85
•90		2060	2911	<b></b> 2849	2923	2956	•90

TEST 1514 BATCH 1 RUN 2 POINT 16

Q = 456.57 HO = 1114.0 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 15.74 BETA = -.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1295	1339	1296	1768	1894	<b></b> 1708	0.00
• 05	1547	1484	1427	1922	2015	1890	.05
.10	2476	1398	1854	2384	2186	1978	.10
•15	2479	2559	2545	2800	2008	1894	.15
•20	2406	2543	2520	2340	<b></b> 1968	1729	.20
•25	2375	2594	2606	2330	1831	1801	.25
.30	2466	2136	2181	2140	2033	2093	.30
•35	2593	2310	2264	.1008	2367	2458	.35
•40	3220	9.0000	2639	2591	2763	2872	•40
. 45	3333		.0000	3028	3180	3286	•45
• 50	3682	3430	3419	3404	3554	3646	• 50
• 55	3657	3712	3731	3728	3861	3949	• 55
• 60	3562	3660	3761	3907	<b></b> 3937	3972	•60
• 65	3528	<b></b> 3563	3594	3623	3628	3665	•65
.70	3450	3504	3502	3488	3554	3611	•70
•75	.7229	3456	3459	3447	3544	3579	.75
. 80		3468	3466	3454	3565	3600	.80
. 85		3519	3525	3534	3644	3692	.85
• 90		2596	3413	3413	3458	3508	•90

TEST 1514 BATCH 1 RUN 2 POINT 17

Q = 456.65 HO = 1114.2 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 19.75 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1543	1551	1415	1472	1445	1476	0.00
• 05	1968	1760	1602	1591	1490	1514	•05
.10	2836	2221	2052	1996	1626	1484	.10
•15	2986	2740	2546	2127	1398	1312	.15
•20	2789	2723	2548	1812	1338	<b></b> 1217	.20
•25	2930	2616	2371	1926	1306	1251	.25
•30	2482	2423	2188	1822	1417	1403	.30
.35	2720	2336	2177	.1021	1466	1382	•35
•40	2981	9.0000	2339	1729	1588	1453	.40
•45	3178		.0000	1944	1712	1572	•45
• 50	3279	2904	2707	2038	1775	1618	• 50
• 55	3413	3042	2844	2125	1843	1684	•55
• 60	3316	3081	2904	2133	1799	1598	•60
•65	3354	3031	2842	2289	2018	1805	• 65
.70	3306	2860	2610	2518	2249	2013	.70
•75	.6939	2805	2567	2396	2050	1818	•75
.80		2871	2654	2096	1724	1529	.80
.85		2873	2696	1937	<b></b> 1575	1384	.85
.90		2779	2677	1833	1494	1302	•90

TEST 1514 BATCH 1 RUN 3 POINT 26

Q = 456.69 HO = 1114.3 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 11.72 BETA = -8.01

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0918	<b></b> 1185	1134	1627	1346	1264	0.00
• 05	1321	0848	0743	1848	1443	<b></b> 1371	.05
.10	2917	0808	0654	1882	1311	1286	.10
.15	1405	1693	1565	1621	1261	1309	.15
.20	2677	2735	2761	1471	1241	1196	.20
.25	1320	2797	2834	1419	1055	1053	.25
.30	2996	2284	2194	1410	1104	1087	•30
.35	1309	2831	2701	1564	1197	1128	.35
.40	3462	9.0000	3465	1407	1287	1213	.40
•45	1589		.0000	1493	1389	1331	.45
• 50	3522	3714	3772	1600	1517	1457	• 50
• 55	1901	3676	3702	1750	1687	1646	.55
•60	3571	3658	3668	1959	1925	1901	•60
•65	2436	3631	3647	2227	2211	2206	.65
.70	3381	3643	3682	2493	2467	2495	.70
•75	•6986	<b></b> 3547	3569	2586	2559	2663	.75
.80		3314	3320	2426	2448	2543	.80
.85		3256	3276	2209	2268	2331	.85
•90		3033	3283	2117	2205	2238	•90

TEST 1514 BATCH 1 RUN 3 POINT 25

Q = 456.53 HO = 1113.9 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 11.72 BETA = -4.04

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0890	1013	0996	1452	1265	1221	0.00
.05	1135	0873	0854	1616	1330	1320	.05
.10	2008	0964	0945	1738	1350	1279	.10
.15	1383	1552	1524	1657	1301	1235	.15
.20	1853	1930	1975	1465	1240	1104	.20
.25	1327	1872	2006	1411	1207	1087	.25
.30	2616	1720	1712	1446	1276	1150	.30
•35	1504	2326	2276	1635	1354	1237	.35
.40	3490	9.0000	2895	1564	1456	1400	.40
•45	1938		.0000	1726	1635	1641	.45
•50	3368	3589	3732	1964	1903	1939	•50
•55	2574	3445	3550	2290	2267	2347	.55
.60	3387	3399	3436	2689	2699	2785	.60
•65	2865	3362	3377	3097	3136	3218	.65
.70	3303	3348	3390	3142	3131	3304	.70
•75	.6932	3400	3475	2695	2725	2797	.75
.80		3264	3356	2574	2635	2679	.80
.85		2992	3053	2537	2624	2646	.85
.90		2848	2999	2586	2696	2693	.90

TEST 1514 BATCH 1 RUN 3 POINT 24

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.71 BETA = -2.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0886	1007	0985	1439	1282	1173	0.00
• 05	1072	0965	0936	1568	1330	1250	.05
.10	1664	1097	1077	1695	1386	1278	.10
.15	1426	1507	1496	1690	1336	1217	.15
.20	1535	1666	1688	1477	1267	1104	.20
•25	1377	1531	1633	1409	1230	1132	.25
.30	2221	1528	1542	1476	1281	1248	.30
• 35	1653	1973	1955	1691	1402	1398	.35
.40	3197	9.0000	2467	1707	1610	1645	.40
• 45	2273	•	.0000	1972	1919	1995	•45
• 50	3327	3479	<b></b> 3486	2335	2338	2420	• 50
• 55	3012	3399	3561	2761	2812	2909	• 55
• 60	3280	3300	3371	3204	3280	<b></b> 3357	•60
• 65	2966	3245	3256	3412	3433	<b></b> 3558	.65
.70	3192	3203	3214	2933	2945	3029	•70
•75	.6803	3218	3237	2802	2862	2921	.75
.80		3280	3324	2771	2862	2869	.80
•85		3044	3099	2804	2916	2904	.85
• 90		2794	2909	2859	2968	2958	•90

TEST 1514 BATCH 1 RUN 3 POINT 22

Q = 456.53 HO = 1113.9 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 11.72 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0933	1024	1006	1451	1291	1195	0.00
• 05	0967	1104	1075	1506	1268	1246	.05
.10	1405	1272	1242	1657	1342	1409	.10
•15	1645	1480	1448	1853	1299	1308	.15
•20	1294	1504	1453	1652	1233	1222	.20
•25	1552	1388	1355	1478	1276	1332	.25
.30	1560	1399	1333	1622	1520	1585	.30
•35	2226	1560	1497	1841	1918	1978	•35
• 40	2272	9.0000	1728	2298	2459	2524	.40
•45	3214		.0000	2833	3032	3093	.45
• 50	3023	2531	2503	3345	3531	3576	• 50
• 55	3252	2976	2954	3718	<b></b> 3758	3779	• 55
• 60	3089	3282	3338	3379	3323	3342	•60
• 65	3226	3139	3218	3209	3256	3277	• 65
.70	2995	3015	2997	3176	3246	3280	•70
•75	•6855	2929	2894	<b></b> 3187	3289	<b></b> 3338	•75
.80		2886	2866	3308	3423	3496	.80
•85		2931	2909	3134	3156	3192	.85
• 90		2674	2915	2834	2971	2971	•90

TEST 1514 BATCH 1 RUN 3 POINT 21

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.73 BETA = 4.04

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0959	1041	1029	1485	1234	1217	0.00
.05	0913	1171	1135	1488	1153	1280	.05
.10	1359	1337	1301	1641	1384	1514	.10
.15	1869	1480	1440	2057	1353	1342	.15
.20	1275	1485	1414	1749	1279	1286	.20
. 25	1703	1379	1322	1633	1435	1521	.25
.30	1423	1362	1288	1722	1878	1971	.30
.35	2667	1458	1395	1908	2477	2567	.35
.40	1923	9.0000	<b></b> 1545	2768	3116	3185	.40
•45	3476		.0000	3359	3634	3680	.45
.50	2587	2143	2093	3807	3894	3890	•50
•55	3315	2522	2470	3617	3503	3485	•55
.60	3046	2920	2875	3411	3414	3420	.60
.65	3339	3149	3224	3376	3416	3420	.65
.70	2861	3011	3089	3381	3460	3476	.70
•75	.7024	2837	2809	3493	3628	3644	.75
.80		2731	2689	3409	3390	3383	.80
.85		2700	2649	3045	3093	3087	.85
.90		2499	2711	2939	3126	3109	.90

TEST 1514 BATCH 1 RUN 3 POINT 20

Q = 456.69 HO = 1114.3 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 11.72 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1206	1172	1119	1615	1342	1281	0.00
• 05	0797	1369	1329	1432	1200	1275	.05
.10	1435	1470	1459	1436	1784	1937	.10
•15	2758	1431	1429	2408	1756	1613	.15
.20	1419	1484	1383	2422	1667	1640	.20
•25	2286	<b></b> 1377	1341	2073	2258	2403	.25
.30	1313	1263	1231	2188	3041	3173	.30
.35	3418	1266	1248	2041	<b></b> 3673	<b></b> 3750	.35
.40	1574	9.0000	1320	3626	4087	4108	•40
.45	3537		.0000	4051	3927	3868	• 45
• 50	1923	1617	1601	3863	3751	3701	•50
• 55	3518	1806	1803	3736	3696	3687	• 55
• 60	2515	2083	2056	3679	3687	3693	•60
.65	3533	2363	2368	3662	3764	<b></b> 3752	•65
.70	2552	2592	2621	3741	3813	3813	.70
.75	.6963	2632	2701	3583	3565	3560	.75
.80		2496	2510	3304	3379	3345	•80
•85		2360	2300	3256	3398	3361	.85
• 90		2297	2242	3266	3419	3385	•90

TEST 1514 BATCH 1 RUN 5 POINT 33

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= -.27 BETA = .00

# PRESSURE COEFFICIENTS FOR:

ΕTA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0260	•0217	.0229	0189	.0018	•0027	0.00
.05	.0272	.0256	.0267	0227	•0053	•0051	.05
•10	.0253	.0234	.0253	0215	•0047	.0017	.10
•15	.0247	• 02 55	.0282	0147	•0064	•0051	.15
.20	.0269	.0204	.0287	0141	.0068	•0065	•20
•25	.0241	.0242	.0286	0146	.0068	.0081	.25
.30	.0274	.0245	.0291	0138	•0068	•0097	.30
•35	.0238	.0251	.0279	1197	.0063	.0109	.35
.40	.0258	9.0000	.0282	0084	.0061	.0103	•40
•45	.0230		.0000	0040	.0058	•0087	.45
• 50	.0256	.0235	.0272	.0005	.0058	.0087	• 50
• 55	.0251	.0249	.0255	.0060	.0050	.0083	• 55
• 60	0114	.0221	• 02 54	.0115	•0044	.0079	•60
• 65	.0141	.0216	.0236	.0158	.0030	.0074	.65
.70	.0223	.0208	.0229	.0177	.0037	•0064	.70
•75	1.1215	.0226	.0207	.0195	.0040	.0064	.75
.80		.0231	.0200	.0188	.0020	•0044	.80
.85		.0067	.0196	.0162	0025	.0031	.85
• 90		.0119	0012	.0115	0088	0033	•90

TEST 1514 BATCH 1 RUN 5 POINT 34

Q = 228.24 HO = 556.9 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 3.74 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0162	0191	0167	0513	0339	0341	0.00
• 05	0155	0159	0133	<b></b> 0555	0314	0316	.05
.10	0166	0172	0140	0552	0318	0337	.10
.15	0182	0150	0107	0498	0317	0295	.15
.20	0160	0190	0089	0502	0321	0274	.20
•25	0183	0155	0079	0511	0318	0252	.25
.30	0121	0144	0076	0510	0315	0248	.30
•35	0177	0136	0077	1066	0315	0246	.35
.40	0083	9.0000	0072	0422	0305	0248	.40
• 45	0144		.0000	0347	0276	0234	.45
• 50	0259	0093	0027	0261	0236	0171	• 50
• 55	0331	0122	0104	0178	0219	0148	•55
• 60	<b></b> 1562	0572	0549	0326	0503	0470	•60
• 65	1479	1367	1327	1090	1341	<b></b> 1385	•65
.70	1289	<b></b> 1655	1703	1812	1919	1913	•70
•75	1.1183	1526	<b></b> 1612	1735	<b></b> 1876	1916	•75
.80		1516	1577	1455	1566	1581	.80
•85		1474	1527	1375	1497	1485	.85
<b>. 9</b> 0		0399	1347	1269	1435	1420	•90

TEST 1514 BATCH 1 RUN 5 POINT 35

Q = 228.24 HO = 556.9 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 7.72 BETA = .00

# PRESSURE COEFFICIENTS FOR:

0.00    0527    0548    0545    0951    0749    0698       .05    0543    0521    0523    0969    0710    0678       .10    0586    0548    0533    0975    0715    0707       .15    0644    0585    0552    0929    0705    0661       .20    0581    0654    0590    0904    0690    0639	0.00 .05 .10 .15 .20
.10058605480533097507150707 .15064405850552092907050661	.10
.15064405850552092907050661	.15
.13	
20 - 0581 - 0654 - 0590 - 0904 - 0690 - 0639	.20
-2000040004 .0000 .0000	
.25068106300560088606830619	•25
.30067206410568088406850616	.30
.35077306720617097607080619	.35
.401281 9.00000696087007730698	.40
.451238 .0000099009670927	•45
.50228913981377132814061424	•50
.55232020452047194021162204	•55
.60236825042596267728782945	.60
.65227323932476282128912929	•65
.70215323582406245024852499	.70
.75 1.140023722369226623662400	•75
.8024012380223023712407	.80
.8522922322225824052424	•85
.9009662018202421902185	.90
.8031113159265127592763	.80
.8528252909267127962793	•85
.9024432723267727942802	.90

TEST 1514 BATCH 1 RUN 5 POINT 36

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 11.73 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0850	0917	0915	1365	1199	1067	0.00
• 05	0928	0924	0921	1409	1193	1118	.05
.10	1271	1046	1038	1497	1219	1193	.10
.15	1327	1259	1236	1497	1167	<b></b> 1155	.15
.20	1190	1322	1304	1409	1111	1082	.20
.25	1287	1239	1226	1316	1099	1108	.25
.30	1601	1275	1224	1396	1205	1232	•30
.35	1710	1483	1439	0855	1417	1454	.35
.40	2489	9.0000	1758	1781	1761	1820	40
•45	2559		.0000	2183	2255	2321	•45
•50	3105	2732	2730	2674	2813	2880	• 50
•55	3041	3119	3166	3160	3326	3387	• 55
.60	2949	3055	3116	3306	3413	3482	• 60
• 65	2875	2980	2997	3074	3114	3164	• 65
.70	2783	2958	2951	2938	2994	3055	.70
.75	1.1604	2962	2932	2882	2971	3024	.75
.80		2993	2966	2924	3023	3078	.80
.85		2949	2963	2958	3047	3088	•85
•90		1626	2706	2685	2817	2815	•90

TEST 1514 BATCH 1 RUN 5 POINT 37

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 15.70 BETA = .00

# PRESSURE COEFFICIENTS FOR:

E TA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ЕТА
0.00	1241	1228	1195	1659	1705	1566	0.00
• 05	1434	<b></b> 1316	1282	<b></b> 1783	<b></b> 1791	1660	.05
.10	2191	1656	1627	2126	1900	1723	.10
•15	2186	2198	2202	2315	1855	1730	.15
.20	2083	2208	2207	2213	1746	<b></b> 1578	.20
• 25	2043	2201	2242	2183	1660	1653	.25
•30	2292	2002	1933	1833	1858	1927	.30
• 35	2399	2159	2107	0737	2158	2278	.35
•40	3044	9.0000	2477	2456	2558	2704	.40
.45	3170		.0000	2879	2996	3137	.45
• 50	3477	3309	3297	3285	3409	3529	• 50
• 55	3442	<b></b> 3554	<b></b> 3579	3626	<b></b> 3753	3852	• 55
• 60	3312	3490	3502	3666	3733	3793	.60
• 65	3289	3428	3419	3507	<b></b> 3541	3601	.65
<b>.7</b> 0	3183	3406	3393	3402	3451	3513	.70
• 75	1.1914	3377	3381	3322	3417	3484	.75
.80		<b></b> 3357	3388	3344	3453	3508	.80
• 85		3324	3406	3407	3500	3558	.85
• 90		2207	<b></b> 3205	3232	3315	3351	•90

TEST 1514 BATCH 1 RUN 6 POINT 52

Q = 228.33 HO = 557.1 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 11.73 BETA = -8.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0855	1083	1059	1514	1281	1207	0.00
.05	1213	0730	0698	1645	1302	1244	
.10	2512	0592	0544	1582	1240		.05
.15	1272	<b></b> 1202	1171	1500	• •	1204	.10
•20	2331	2161	2295		<b></b> 1176	1223	.15
.25	1202			1368	1149	1136	•20
	. –	2189	2331	1349	0985	0939	•25
.30	3014	1994	<b></b> 1876	1233	1005	0950	.30
•35	1219	<b></b> 2755	2617	1181	1077	1004	.35
•40	<b></b> 3145	3368	3346	1263	1157	1088	•40
• 45	1415	3587	3644	1335	1254	1188	•45
• 50	3169	3484	3530	1431	1373	1309	•50
• 55	1720	3441	3488	1574	1522	1504	•55
•60	3249	3430	3477	1779	1746	1756	•60
•65	2273	3398	3430	2041	2026	2066	.65
.70	3146	3389	3444	2328	2317	2409	•70
•75	1.2433	3305	3320	2459	2498	2609	.75
.80		3107	3082	2351	2428	2475	.80
.85		3014	3043	2144			
.90		2685			2251	2257	•85
- 50		2003	3006	2026	2148	2156	•90

TEST 1514 BATCH 1 RUN 6 POINT 51

Q = 228.45 HO = 557.4 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 11.73 BETA = -4.01

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0799	0918	0894	1369	1175	1111	0.00
.05	1003	0774	0763	<b></b> 1486	1235	1145	.05
•10	1692	0808	0816	1549	1246	1146	.10
•15	1243	1216	1252	1460	1168	1101	.15
•20	1699	1524	1640	<b></b> 1357	1116	1001	•20
•25	1192	1431	1590	1309	1090	0982	.25
•30	2352	1535	1551	1304	1126	1043	•30
•35	1357	2108	2078	1330	1186	1139	•35
•40	3146	2682	2674	1451	1303	1293	•40
• 45	1776	3228	3234	1602	1491	1517	.45
• 50	3114	3379	3437	1843	1774	1814	• 50
• 55	2402	3243	<b></b> 3307	2167	2152	2223	•55
• 60	3091	3204	3260	2579	2612	2681	•60
• 65	2654	3185	3214	2987	3055	3133	•65
.70	3030	<b></b> 3175	3230	2982	3071	<b></b> 3168	•70
•75	1.2395	3194	3271	2658	2719	<b></b> 2754	.75
• 80	•	3080	3156	2515	<b></b> 2594	2613	.80
• 85		2817	2857	2470	2565	2570	.85
• 90		2551	2789	2502	2608	2606	.90

TEST 1514 BATCH 1 RUN 6 POINT 50

Q = 228.45 HO = 557.4 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 11.73 BETA = -2.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETIA
0.00	0773	0898	•	•	•		ETA
	- · · · <del>-</del>		0876	1334	1170	1063	0.00
.05	0932	0838	0817	1418	1207	1096	.05
.10	1390	0923	0900	1505	1227	1137	.10
.15	1248	1220	1200	1446	1151	1085	.15
.20	1401	1351	1393	1353	1091	1013	.20
.25	1211	<b></b> 1236	1329	1291	1062	1028	.25
.30	2007	1340	1341	1313	1127	1116	.30
.35	1471	1740	1732	1371	1241	1244	.35
.40	2979	2225	2234	1542	1430	1457	.40
•45	2065	2807	2800	1787	1734	1782	.45
• 50	3112	3232	3270	2136	2154	2206	.50
•55	2780	3179	3250	2575	2653	2717	.55
.60	3028	3101	3157	3034	3146	3202	.60
•65	2746	3076	3104	3173	3292	3366	.65
.70	2951	3080	3092	2877	2931	2973	.70
•75	1.2371	3089	3114	2693	2783	2820	.75
.80		3111	3159	2651	2759	2763	.80
•85		2825	2909	2671	2796	2793	.85
.90		2443	2723	2677	2794	2802	.90

TEST 1514 BATCH 1 RUN 6 POINT 49

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 11.72 BETA = 2.02

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0773	0880	0903	1349	1186	1091	0.00
.05	0793	0934	0961	1369	1148	1091	•05
.10	1188	1066	1089	1465	1190	1163	.10
.15	1373	1235	1249	1527	1171	1165	.15
.20	1139	1259	1263	1439	1092	1085	.20
.25	1356	1204	1195	1282	1131	1160	.25
.30	1395	1210	1187	1379	1337	1374	.30
.35	2043	1351	1321	1636	1691	1743	.35
.40	2142	1548	1517	2087	2198	2282	.40
.45	2949	1885	1839	2642	2789	2880	•45
• 50	2813	2297	2279	3197	3334	3403	• 50
.55	3000	2753	2746	3458	3539	3571	• 55
•60	2899	3020	3077	3239	3272	3285	• 60
.65	2965	2927	2951	3115	3150	3165	• 65
.70	2783	2880	2854	3055	<b></b> 3116	3132	.70
•75	1.2355	2860	2781	3061	<b></b> 3152	<b></b> 3177	.75
.80		2842	2766	3152	3236	3248	.80
.85		2833	2807	2937	2976	2981	.85
.90		2285	2728	2702	2841	2841	.90

TEST 1514 BATCH 1 RUN 6 POINT 48

Q = 228.24 HO = 556.9 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 11.72 BETA = 4.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0784	0972	0927	1389	1131	1129	0.00
•05	0664	1047	1016	1374	1059	1105	.05
.10	1191	1162	1145	1461	1186	1212	.10
•15	1490	1258	1253	<b></b> 1635	1178	1196	.15
•20	1152	1261	1238	1603	1085	1130	.20
•25	1444	1198	1177	<b></b> 1386	1219	1294	.25
.30	1248	1170	1152	1520	1602	1665	.30
•35	2419	1256	1234	1948	2193	2247	.35
•40	1704	1387	1363	2546	2871	2924	•40
.45	3167	1615	1558	3164	3448	3499	.45
• 50	2355	1923	1864	3571	3644	3639	• 50
•55	3022	2302	2242	3394	3412	<b></b> 3395	• 55
•60	2788	2703	2660	3306	3291	3307	•60
.65	3017	2887	2922	3264	3243	3276	•65
.70	2636	2800	2823	3279	3262	3317	•70
.75	1.2465	2717	2695	3344	3365	3404	•75
.80		2659	2606	3181	3125	3123	.80
.85		2606	2583	2855	2945	2963	.85
.90		1943	2601	2783	3003	2998	•90

TEST 1514 BATCH 1 RUN 6 POINT 47

Q = 228.41 HO = 557.3 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 11.72 BETA = 8.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1130	1072	1036	1507	1276	1191	0.00
.05	0718	1225	1202	1340	1106	1073	.05
.10	1277	1295	1289	1270	1383	1416	.10
•15	2113	1266	1263	1850	1539	1415	.15
.20	1313	1308	1242	2030	1338	1372	.20
.25	1871	1234	1196	1871	1934	2069	.25
.30	1173	1091	1100	1845	2749	2883	.30
.35	3168	1099	1111	2777	3450	3530	.35
.40	1401	1163	1171	3508	3868	3883	.40
•45	3330	1275	1263	3741	3711	3713	•45
• 50	1703	1422	1408	3624	3591	3554	• 50
• 55	3308	1606	1593	3553	3492	3483	•55
• 60	2172	1858	1832	3505	3472	3468	•60
• 65	3083	2119	2129	3488	<b></b> 3537	<b></b> 3514	•65
•70	2058	2325	2384	3530	3547	<b></b> 3521	.70
•75	1.2473	2357	2494	3288	<b></b> 3277	3266	.75
.80		2301	2388	<b></b> 3057	<b></b> 3183	3173	.80
•85		2249	2237	3049	3226	3209	.85
• 90		0797	2133	3050	3225	3214	•90

TEST 1514 BATCH 1 RUN 4 POINT 27

Q = 448.82 HO = 1254.2 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= -.41 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0118	.0088	.0098	0256	0110	0062	0.00
.05	.0130	.0114	.0126	0291	0089	0054	.05
.10	.0087	.0103	.0107	0280	0098	0124	.10
.15	.0104	.0117	.0127	0246	0114	0087	.15
.20	.0084	.0070	.0130	0243	0100	0051	.20
.25	.0099	.0117	.0129	0240	0095	0035	•25
.30	.0099	.0123	.0135	0242	0090	0030	.30
.35	.0092	.0126	.0121	0460	0098	0029	.35
.40	.0079	9.0000	.0119	0154	0103	0055	.40
.45	.0071		.0000	0105	0113	0076	.45
.50	.0071	.0104	.0106	0044	0118	0075	.50
•55	.0084	.0118	.0094	.0007	0116	0080	•55
.60	0302	.0093	.0092	.0041	0113	0094	.60
.65	.0025	.0090	.0081	.0061	0117	0108	.65
.70	.0037	.0075	.0070	.0056	0112	0119	.70
•75	.4612	.0066	.0051	.0053	0105	0117	.75
.80		.0065	.0037	.0041	0103	0132	.80
.85		0030	.0021	0003	0111	0137	.85
.90		0130	0183	0042	0122	0178	.90

TEST 1514 BATCH 1 RUN 4 POINT 28

Q = 448.86 HO = 1254.3 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 3.63 BETA = .00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0243	0282	0256	0599	0445	0416	0.00
•05	0239	0262	0229	0632	0420	0421	.05
.10	0255	0270	0242	0623	0418	0476	.10
.15	0268	0254	0223	0594	0416	0429	•15
.20	0244	0296	0211	0597	0402	0403	.20
.25	0268	0254	0208	0592	0401	0385	.25
.30	0220	0246	0198	0584	0407	0373	.30
.35	0265	0241	0202	0399	0413	0356	.35
.40	0222	9.0000	0187	0464	0409	0353	•40
.45	0260		.0000	0384	0379	0334	.45
• 50	0717	0212	0156	0275	0344	0275	• 50
• 55	0805	0337	0303	0220	0361	0309	• 55
• 60	1523	0989	0858	0520	0808	0863	• 60
•65	1491	1610	1530	1357	1569	1657	.65
.70	1352	1688	1789	1842	1919	1933	.70
<b>.7</b> 5	.4612	1540	1635	1726	1694	<b></b> 1651	.75
.80		1435	1403	1374	1448	1460	.80
.85		1387	1334	1317	1438	1472	.85
<b>.9</b> 0		0614	1266	1235	1328	1377	•90

TEST 1514 BATCH 1 RUN 4 POINT 29

Q = 448.68 HO = 1253.8 PINF = 160.2 R/FT = 2.001

MACH= 2.000 ALPHA= 7.60 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0557	0607	0594	0974	0792	0758	0.00
.05	0565	0580	0573	1007	0768	0770	.05
.10	0666	0601	0604	1006	0768	0819	.10
.15	0686	0633	0625	0984	<b></b> 0753	0778	.15
.20	0672	0695	0672	0944	0732	0737	.20
•25	0710	0644	0645	0924	0732	0724	.25
•30	0819	0658	0660	0921	0742	0734	.30
.35	0843	0719	0736	0353	0780	0769	•35
•40	1478	9.0000	0878	0945	0899	0905	.40
•45	1464		.0000	1146	1202	1228	•45
•50	2197	1645	1676	1556	1724	1754	• 50
•55	2232	2172	2184	2080	2288	2324	• 55
.60	2137	2266	2385	2493	2565	2536	•60
•65	2083	2147	2198	2210	2230	2205	• 65
<b>.</b> 70	1971	2089	2104	2067	2150	2162	•70
<b>.</b> 75	.4614	2058	2045	2038	<b></b> 2137	2169	•75
.80		2091	2078	2115	2236	2264	.80
.85		1950	1979	1985	2018	2023	•85
.90		1087	1824	1790	1957	1922	•90

TEST 1514 BATCH 1 RUN 4 POINT 30

Q = 448.75 HO = 1254.0 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 11.58 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0854	0917	0903	1246	1174	1122	0.00
.05	0933	0928	0919	1295	1194	1160	.05
.10	1404	1056	1049	1416	1271	1223	.10
•15	1388	1319	1323	1532	1213	1184	.15
.20	1332	1400	1417	1369	1159	1113	.20
•25	1324	1331	<b>~.</b> 1390	1248	1143	1163	.25
.30	1690	1331	1322	1299	1286	1313	.30
•35	1753	1565	1554	1018	1523	<b></b> 1555	.35
•40	2307	9.0000	1849	1785	1869	1901	.40
•45	2413		.0000	2142	2258	2289	.45
• 50	2633	2507	2526	2486	2607	2630	• 50
• 55	2572	2656	2746	2764	2861	2880	• 55
• 60	2508	<b></b> 2576	2654	2700	2697	2680	•60
• 65	2482	2533	2583	2556	2583	2581	.65
.70	2374	2509	2552	2500	2560	2564	.70
•75	• 4602	2511	2543	2490	2582	2584	.75
.80		2545	2568	2567	2676	2687	.80
•85		2434	2477	2491	2537	2521	.85
• 90		1502	2289	2275	2360	2367	•90

TEST 1514 BATCH 1 RUN 4 POINT 31

Q = 448.89 HO = 1254.4 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 15.59 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1190	1181	1100	1503	1605	1591	0.00
.05	1401	1293	1189	1613	1754	1733	.05
.10	2206	1637	1532	1966	1986	1792	.10
.15	2225	2253	2174	2360	1819	<b></b> 1744	.15
.20	2128	2259	2237	2146	1787	1573	•20
•25	2169	2280	2257	2133	1618	1558	.25
•30	2125	2086	2130	1896	1768	1745	.30
•35	2239	2036	1985	1586	2007	2036	.35
•40	2575	9.0000	2224	2204	2296	2363	.40
• 45	2678		.0000	2465	2588	2658	.45
• 50	2869	2724	2714	2706	2834	2893	• 50
•55	2826	2869	2899	2906	3017	3059	• 55
• 60	2764	2833	2898	2956	2963	2969	.60
• 65	2737	2792	2826	2842	2857	2868	.65
•70	2666	2771	2793	2775	2820	2836	.70
.75	•4614	<b></b> 2756	2776	2738	2816	2838	.75
. 80		<b></b> 2755	2782	2765	2850	2885	.80
•85		2729	2788	2798	2853	2871	.85
• 90		1914	2652	2648	2672	2693	.90

TEST 1514 BATCH 1 RUN 4 POINT 32

Q = 448.75 HO = 1254.0 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 19.63 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1456	1421	1377	<b></b> 1771	1844	1907	0.00
.05	1800	1605	1542	1923	2071	2156	.05
.10	2666	2073	2017	2384	2508	2328	.10
•15	2716	2744	2697	2766	2475	2382	•15
•20	2614	2742	2753	2789	2503	2176	.20
•25	2702	2747	2762	2784	2106	2004	.25
•30	2535	2729	2758	2501	<b></b> 2176	2184	.30
• 35	2612	2552	2531	2099	2407	2406	•35
•40	2725	9.0000	2539	2526	2621	2631	•40
• 45	2852		.0000	2734	2816	2825	• 45
• 50	2862	2878	2890	2907	2972	2984	• 50
• 55	2928	2971	3002	3036	3092	3086	• 55
• 60	2888	2990	3039	3088	<b></b> 3117	<b></b> 3133	•60
• 65	2862	2953	2990	3024	3014	<b></b> 3037	•65
•70	2803	2921	2951	2936	2945	2979	.70
•75	.4702	2886	2915	2886	2934	2959	.75
.80		2880	2890	2879	2945	2960	.80
.85		2855	2883	2891	2979	2998	.85
• 90		2224	2845	2891	2939	2949	<b>.9</b> 0

TEST 1514 BATCH 1 RUN 7 POINT 54

Q = 419.44 HO = 1520.9 PINF = 104.0 R/FT = 2.002

MACH= 2.400 ALPHA= -.45 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0234	.0194	.0194	0155	0044	0032	0.00
• 05	.0233	.0213	.0219	0180	0027	0030	•05
.10	.0220	.0212	.0211	0175	0026	0065	.10
•15	.0206	.0219	.0227	0144	0027	0038	.15
.20	.0221	.0193	.0229	0135	0022	0019	.20
•25	.0195	.0220	.0229	0143	0019	0002	.25
•30	.0219	.0214	.0223	0125	0024	.0002	.30
• 35	.0188	.0221	.0221	0050	0022	.0011	•35
•40	.0188	.0222	.0211	0027	0031	0005	•40
• 45	.0166	.0215	.0207	.0035	0029	0012	•45
• 50	.0178	.0200	.0201	.0080	0029	0008	• 50
• 55	.0198	.0210	.0187	.0105	0024	0010	• 55
• 60	.0132	.0193	.0193	.0120	0014	0011	•60
• 65	.0118	.0195	.0181	.0121	0011	0018	• 65
•70	.0144	.0191	.0171	.0117	.0007	0032	.70
• 75	.6129	.0204	.0167	.0126	.0045	0028	•75
.80		.0196	.0166	.0121	.0067	0023	.80
• 85		.0074	.0151	•0095	.0083	0006	.85
•90		.0125	0070	•0084	.0086	0004	•90

TEST 1514 BATCH 1 RUN 7 POINT 55

Q = 419.39 HO = 1520.7 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 3.53 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0133	0168	0161	0439	0351	0347	0.00
.05	0127	0144	0139	0457	0337	0344	.05
.10	0154	0149	0151	0458	0347	0378	.10
.15	0153	0138	0135	0428	0343	0347	.15
.20	0173	0154	0141	0430	0340	0333	.20
.25	0163	0125	0135	0436	0337	0309	.25
.30	0164	0119	0128	0404	0329	0294	.30
.35	0162	0116	0138	0331	0332	0286	•35
.40	0235	0108	0127	0282	0320	0284	.40
.45	0154	0133	0111	0190	0291	0269	.45
.50	0622	0179	0124	0124	0246	0216	.50
•55	0658	0322	0308	0117	0250	0267	•55
.60	0652	0693	0723	0460	0629	0746	.60
•65	1015	1082	1103	1128	1198	1256	.65
.70	0884	1189	1259	1350	1371	1377	.70
.75	.6121	1129	1255	1295	1307	1272	.75
.80		1047	1129	1121	1138	1145	.80
.85		0980	1031	1040	1088	1121	.85
.90		0285	0986	0984	1021	1092	.90

TEST 1514 BATCH 1 RUN 7 POINT 56

Q = 419.50 HO = 1521.1 PINF = 104.0 R/FT = 2.002

MACH= 2.400 ALPHA= 7.55 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0437	0465	0464	0715	0648	0638	0.00
•05	0444	0446	0450	0739	0638	0643	•05
.10	0536	0462	0469	0754	0648	0653	.10
•15	0505	0475	0476	0724	0624	0617	•15
.20	0591	0537	0529	0719	0610	0592	.20
.25	0529	0506	0516	0709	0604	0578	•25
•30	0747	0541	0545	0689	0613	0589	.30
.35	0681	0623	0634	0666	0655	0632	.35
.40	1242	0759	0770	0753	0775	0780	.40
.45	1248	1072	1057	0952	1080	1110	•45
• 50	1624	1440	1452	1343	<b></b> 1516	<b></b> 1550	• 50
• 55	1622	1695	1738	1701	1836	<b></b> 1859	•55
• 60	1513	1679	1715	<b>→.</b> 17.83	1783	1764	• 60
• 65	1530	1634	1650	1671	<b></b> 1685	<b></b> 1678	.65
•70	1417	1609	1624	1615	1650	1657	•70
•75	.6126	1597	1619	1609	1686	<b></b> 1700	•75
•80		1589	1588	1625	1646	1621	.80
.85		1422	1467	1457	1493	1529	.85
• 90		0740	1419	1426	1516	<b></b> 1567	•90

TEST 1514 BATCH 1 RUN 7 POINT 57

Q = 419.28 HO = 1520.3 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 11.57 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0706	0704	0682	0972	0984	0941	0.00
.05	0754	0713	0688	1012	1009	0972	.05
.10	1118	0804	0768	1103	1058	0983	.10
.15	1106	1036	0994	1197	1007	0957	•15
.20	1075	1140	1136	1169	0963	0896	.20
.25	<b></b> 1073	1128	1116	1107	0951	0947	.25
.30	1363	1107	1053	1087	1070	1100	.30
.35	1415	1290	1262	1241	<b></b> 1277	1325	.35
.40	<b></b> 1787	<b></b> 1505	<b></b> 1510	1479	1551	1602	.40
.45	1837	1748	1756	<b></b> 1670	1808	1851	.45
.50	1916	1919	1940	1924	1999	2023	.50
•55	1863	<b></b> 1935	1976	2022	2038	2042	•55
.60	<b></b> 1792	1914	1948	1968	1979	1981	.60
.65	1777	<b>19</b> 05	1915	1927	1952	1959	•65
.70	1682	1899	1912	1907	1949	1961	.70
.75	.6140	1899	1911	1908	1980	1993	.75
.80		1879	1903	1933	1960	1953	.80
.85		1721	1793	1798	1818	1813	.85
.90		1028	1689	1724	1789	1808	.90

TEST 1514 BATCH 1 RUN 7 POINT 58

Q = 419.50 HO = 1521.1 PINF = 104.0 R/FT = 2.002

MACH= 2.400 ALPHA= 15.58 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=•9	ETA
0.00	0939	0934	0887	1185	1253	1267	0.00
•05	1066	1011	0953	1269	1372	1399	.05
.10	1714	1259	1202	1514	1605	1488	.10
.15	1689	1705	1664	1768	<b></b> 1572	1516	.15
•20	1663	1768	1793	1789	1522	1346	.20
.25	1654	<b></b> 1780	1798	1810	<b></b> 1352	1306	.25
.30	1664	1750	1740	1578	1449	1446	.30
•35	1706	1695	1678	1571	1620	1619	.35
•40	1919	1771	1773	1742	1791	1812	.40
•45	<b></b> 1950	1916	1902	1835	1938	1980	•45
• 50	2036	2021	2024	2011	2062	2104	• 50
•55	1999	2055	2093	2105	2138	2167	•55
.60	1936	2042	2097	2109	2117	2133	.60
•65	1915	2032	2052	2077	2082	2101	.65
.70	1841	2021	2047	2050	2065	2081	.70
.75	.6160	2018	2035	2021	2069	2084	.75
.80		2017	2031	2044	2087	2100	.80
.85		1921	2008	2031	2057	2065	.85
•90		<b></b> 1275	1892	1949	1973	1988	.90

TEST 1514 BATCH 1 RUN 7 POINT 59

Q = 419.47 HO = 1521.0 PINF = 104.0 R/FT = 2.002

MACH= 2.400 ALPHA= 19.57 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1172	1161	1109	1378	1447	1495	0.00
.05	1416	1321	1254	1490	1607	<b></b> 1672	.05
.10	1981	1649	1596	1788	1931	<b></b> 1793	.10
.15	1969	2007	1981	1975	1912	1804	.15
.20	1957	2025	2045	2053	1921	<b></b> 1777	.20
.25	1944	2036	2046	2057	1744	1645	.25
.30	1954	2033	2038	1965	1739	1739	.30
•35	1952	1987	1985	1875	1867	1869	.35
.40	2028	1975	1995	1950	1991	1990	.40
•45	2046	2044	2053	1906	2085	2087	.45
• 50	2055	2098	2109	2117	2150	2152	.50
•55	2073	2120	2137	2163	2180	2187	•55
•60	2008	2123	2160	2173	2187	2201	.60
•65	1996	2107	2119	2154	2160	2177	.65
.70	1933	2099	2118	2130	2137	2149	.70
•75	.6147	2095	2104	2088	2128	2138	.75
.80		2095	2101	2098	2130	2139	.80
•85		2019	2094	2096	2126	2141	.85
.90		1458	2006	2080	2107	2120	•90

TEST 1514 BATCH 1 RUN 8 POINT 60

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= -.15 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0173	.0160	.0144	0101	0034	0011	0.00
.05	.0179	.0185	.0161	0120	0020	0007	.05
.10	.0147	.0174	.0151	0122	0023	0026	.10
.15	.0153	.0178	.0164	0083	0019	0003	.15
.20	.0140	.0159	.0165	0085	0022	•0006	.20
.25	.0141	.0172	.0165	0101	0022	.0017	.25
•30	.0138	.0171	.0165	0064	0017	•0025	.30
•35	.0124	.0169	.0159	0004	0018	.0028	•35
•40	.0101	.0174	.0158	.0036	0017	.0024	•40
•45	.0099	.0170	.0164	.0181	0014	.0023	•45
.50	.0088	.0156	.0157	.0119	0017	• 002 5	• 50
• 55	.0079	.0174	.0156	.0135	0007	.0026	• 55
•60	.0041	.0145	.0161	.0140	.0013	.0022	•60
• 65	.0026	.0148	.0152	.0139	.0038	.0024	• 65
.70	•0050	.0150	.0151	.0141	.0079	• 0045	•70
•75	.7599	.0122	.0140	.0145	.0111	.0080	.75
.80		.0051	.0165	.0143	.0125	.0114	.80
.85		.0014	.0055	.0137	.0132	.0125	.85
•90		0140	0085	.0132	.0103	.0112	•90

TEST 1514 BATCH 1 RUN 8 POINT 61  $Q = 379.21 \quad HO = 1875.2 \quad PINF = 69.1 \quad R/FT = 2.002$   $MACH= 2.800 \quad ALPHA= 3.83 \quad BETA = 0.00$ 

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0125	0149	0147	0359	0294	0276	0.00
.05	0124	0130	0133	0380	0288	0278	.05
.10	0164	0138	0134	0376	0291	0291	.10
.15	0134	0135	0116	0333	0288	0270	.15
.20	0170	0159	0114	0348	0287	0262	.20
.25	0142	0148	0115	0357	0284	0247	.25
.30	0175	0161	0131	0322	0282	0242	.30
.35	0144	0179	0133	0255	0275	0233	.35
.40	0306	0173	0125	0199	0259	0227	.40
.45	0147	0159	0103	.0245	0219	0199	•45
.50	0331	0153	0090	0051	0156	0132	•50
• 55	0709	0181	0240	0155	0209	0240	•55
.60	0251	0527	0646	0689	0738	0766	.60
• 65	0785	0833	0851	0912	0961	0977	•65
.70	0767	0850	0912	0951	1000	1017	.70
.75	.7596	0867	0926	0914	0971	0973	.75
.80		0894	0889	0867	0908	0906	.80
.85		0846	0853	0824	0871	0869	.85
.90		0398	0814	0825	0848	0855	.90

TEST 1514 BATCH 1 RUN 8 POINT 62

Q = 379.21 HO = 1875.2 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 7.83 BETA = 0.00

ЕТА	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0351	0382	0364	0577	0516	0510	0.00
• 05	0359	0377	0359	0606	0523	<b></b> 0517	•05
.10	0442	0390	0365	0612	0525	0519	.10
.15	0408	0403	0370	0567	0507	0499	.15
.20	0526	0454	0406	0598	0501	0486	.20
.25	0442	0430	0393	0592	0488	0468	•25
.30	0643	0453	0413	0553	0484	0467	.30
• 35	0586	0514	0480	0527	0506	0494	.35
•40	1001	0640	0636	0605	0630	0643	•40
. 45	1091	0922	0935	.0275	0952	0989	• 45
• 50	1032	1187	1202	1140	1268	1294	• 50
• 55	1179	1263	1300	1339	1383	1397	• 55
• 60	0869	1255	1290	1324	1343	1348	• 60
• 65	1067	1253	1241	1285	1306	1301	• 65
.70	1014	1248	1237	1255	1290	1283	.70
•75	.7589	1206	1214	1226	1300	1292	.75
. 80		1144	1185	1206	1239	1223	.80
. 85		1064	1147	1138	1188	1210	•85
.90		0584	1072	1133	1188	1217	•90

TEST 1514 BATCH 1 RUN 8 POINT 63

Q = 379.21 HO = 1875.2 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.84 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0550	0556	0534	0764	0763	0760	0.00
•05	0573	0563	0535	0797	0798	0779	.05
.10	0849	0625	0582	0851	0843	0789	.10
•15	0882	0774	0739	0888	0804	<b></b> 0772	.15
.20	0843	0870	0903	0930	0758	0725	.20
.25	<b></b> 0855	0884	0865	0856	0760	0779	.25
•30	1086	0866	0884	0869	0889	0928	.30
.35	1162	1035	1049	1019	1094	1130	•35
•40	1342	1208	1219	1206	1300	1327	.40
• 45	1394	1369	1358	.0300	1442	1459	•45
•50	1341	1438	1449	1425	1506	1506	.50
•55	<b></b> 1370	1427	<b></b> 1455	1472	1493	1500	•55
•60	1214	1426	1465	1455	1480	1489	.60
•65	1270	1426	1420	1442	1474	1480	•65
.70	<b></b> 1185	1417	1424	1442	1485	1488	.70
•75	.7586	1391	1418	1420	1484	1476	.75
.80		1353	1385	1399	1420	1410	.80
.85		1259	1341	1339	1376	1390	.85
•90		0769	1256	1329	1375	1399	•90

TEST 1514 BATCH 1 RUN 8 POINT 64

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 15.88 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0723	0728	0692	0927	0972	0988	0.00
.05	0802	0782	0746	0991	1071	<b></b> 1098	.05
.10	1292	0964	0927	1145	1270	1190	.10
.15	1307	1272	1238	1270	1253	1204	.15
.20	1267	1329	1346	1367	1217	1093	.20
.25	1261	1338	1344	1368	1108	1065	.25
.30	1298	1326	1315	1274	1192	1182	.30
.35	1317	1322	1317	1262	1298	1312	.35
.40	1441	<b></b> 1377	1362	1358	1408	1442	.40
•45	1466	1463	1439	.0326	1499	<b></b> 1531	.45
• 50	1477	1495	1507	1476	1561	<b></b> 1577	• 50
• 55	1457	1499	1527	1550	1574	<b></b> 1587	• 55
.60	1373	1503	<b></b> 1539	1546	1567	<b></b> 1579	•60
•65	1372	1500	1504	1532	<b></b> 1550	1568	.65
•70	1307	1497	1511	1523	1551	1561	.70
•75	.7580	1492	1506	1489	<b></b> 1551	1557	.75
.80		1487	1499	1507	1538	1543	.80
.85		1381	1480	1494	1515	1523	.85
• 90		0935	1381	1463	1494	1508	•90

TEST 1514 BATCH 1 RUN 8 POINT 65

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.85 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0914	0915	0867	1076	1123	1150	0.00
.05	1082	1021	0983	1171	1247	1287	.05
.10	1469	1253	1220	1349	1457	1368	.10
•15	1482	1480	1459	1396	1448	1373	.15
.20	1455	1501	1516	<b></b> 1518	1447	1362	.20
•25	1442	1507	1513	1524	1392	1327	.25
.30	1457	1506	1511	1496	1389	1368	.30
.35	1455	1495	1500	1458	1454	1437	.35
.40	1495	1489	1507	1490	1516	1513	.40
•45	<b></b> 1516	<b></b> 1526	1528	.0354	<b></b> 1559	<b></b> 1562	.45
•50	1501	1538	1551	1510	1579	1578	.50
• 55	1509	1547	<b></b> 1562	<b></b> 1572	1596	1610	• 55
.60	1436	1553	<b></b> 1555	1583	1601	1616	.60
•65	1429	1551	1552	1574	1591	1600	•65
.70	1373	1551	1556	1566	1590	1592	.70
•75	.7575	1545	1548	1531	1580	1583	.75
.80		1536	1548	1554	1577	<del>-</del> .1577	.80
.85		1449	1541	1546	1564	<b></b> 1573	.85
•90		1066	1451	<b></b> 1535	1556	1564	.90

TEST 1514 BATCH 1 RUN 9 POINT 66

Q = 379.17 HO = 1875.0 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.84 BETA = 8.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0877	0898	0914	1083	1059	0995	0.00
• 05	0727	0894	0933	1050	0984	0907	.05
.10	0874	0895	0918	0864	0725	0890	•10
•15	0801	0892	0883	0607	1167	1182	.15
.20	0876	0907	0863	1197	1157	1308	•20
• 25	1173	0888	0847	1128	1418	1438	.25
•30	0774	0851	0816	1367	1456	1441	.30
• 35	1368	0795	0776	1442	1449	1434	.35
•40	0869	0788	0777	1447	1447	1446	•40
• 45	1384	0832	0822	.0489	1447	1450	.45
• 50	1007	0897	0893	1398	1460	1458	• 50
• 55	1347	0990	0988	1446	1464	1476	.55
• 60	1227	1107	1097	1454	1472	1484	•60
• 65	1345	1218	1224	1463	1484	1492	.65
.70	1252	1290	1304	1458	1500	1508	•70
•75	.7566	1288	1303	1427	1505	1509	.75
.80		1278	1290	1446	1499	1500	.80
<b>.</b> 85		1255	1284	1442	1490	1498	•85
• <b>9</b> 0		1142	1272	1439	1488	1496	•90

TEST 1514 BATCH 1 RUN 9 POINT 69

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.86 BETA = 4.00

## PRESSURE COEFFICIENTS FOR:

X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0650	0659	0635	0862	0883	0815	0.00
0516	0707	0682	0810	0798	080,5	•05
0856	0784	0756	0828	0884	0926	.10
1153	0863	0833	0931	0934	<b></b> 0908	•15
0834	0865	0840	1138	0902	0966	.20
1156	0838	0810	1046	1132	1219	•25
0904	0815	0791	1139	1407	1449	.30
1434	0859	0850	1393	1546	1555	.35
1111	0935	0942	1529	1593	1586	.40
1456	1071	1068	.0558	1579	1571	•45
1326	1216	1217	1508	1563	1550	•50
1449	1353	1350	1541	<b></b> 1535	<b></b> 1534	• 55
1360	1421	1447	1511	1515	1518	•60
1411	1410	1426	1490	1509	1502	• 65
1319	1402	1412	1468	1493	1492	.70
.7547	1396	1401	1419	1483	1485	•75
	1392	1387	1436	1473	1480	.80
	1363	1369	1429	1470	1480	•85
	1202	1330	1426	1468	1480	•90
	0650 0516 0856 1153 0834 1156 0904 1434 1111 1456 1326 1449 1360 1411 1319	065006590516070708560784115308630834086511560838090408151434085911110935145610711326121614491353136014211411141013191402 .7547139613921363	0650  0659  0635 0516  0707  0682 0856  0784  0756 1153  0863  0833 0834  0865  0840 1156  0838  0810 0904  0815  0791 1434  0859  0850 1111  0935  0942 1456  1071  1068 1326  1216  1217 1449  1353  1350 1360  1421  1447 1411  1410  1426 1319  1402  1412 .7547  1396  1401 1392  1387 1369	0650	0650	0650

TEST 1514 BATCH 1 RUN 9 POINT 70

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.86 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0597	0595	0562	0795	0801	0767	0.00
.05	0523	0637	0594	0790	0794	<b></b> 0754	.05
.10	0872	0718	0660	0818	0849	0832	.10
.15	1003	0838	0778	0937	0837	0831	.15
•20	0852	0872	0839	1042	0774	0804	.20
.25	0962	0869	0799	0968	0891	0955	.25
.30	1000	0840	0804	0961	1152	1205	.30
•35	1325	0937	0924	1200	1393	1415	•35
•40	1260	1058	1071	1415	1534	1546	.40
.45	1437	1234	1236	.0579	1570	1562	• 45
• 50	1396	1371	1372	1490	1550	1541	•50
•55	1413	1445	1459	1521	1539	1536	• 55
•60	1357	1449	1467	1509	1529	1530	.60
•65	1381	1436	1437	1494	1526	1525	. 65
.70	1319	1430	1435	1484	1524	1520	.70
•75	.7545	1420	1419	1423	1478	1470	.75
.80		1410	1419	1401	1437	1442	.80
.85		1331	1378	1389	1430	1450	.85
•90		1192	1314	1385	1428	1451	•90

TEST 1514 BATCH 1 RUN 9 POINT 73

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.87 BETA = -1.99

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0624	0624	0600	0829	0849	0791	0.00
• 05	0661	0543	0539	0871	0850	0817	•05
•10	1076	0549	0544	0937	0855	0817	.10
•15	0847	0764	0725	0905	0778	0780	.15
•20	1091	1098	1136	0894	0753	0744	.20
•25	0830	1100	1104	0868	0742	0736	•25
•30	1341	1100	1087	0842	0796	0782	.30
•35	0998	1312	1278	0900	0894	0879	.35
•40	1343	1440	1434	1028	1040	1042	•40
• 45	1305	1536	1519	.0165	1221	1240	• 45
• 50	1341	1523	1519	1310	1388	1407	• 50
• 55	1408	<b></b> 1520	1509	1461	1503	1524	• 55
•60	1412	1523	1511	1488	1501	1514	.60
• 65	1380	1504	1484	1457	1473	1477	• 65
.70	1408	1459	1482	1438	1457	1465	.70
•75	.7536	1429	1458	1400	1464	1467	•75
.80		1430	1428	1435	1475	1479	.80
.85		1409	1423	1396	1418	1425	.85
• 90		<b></b> 1277	1409	1325	1350	1371	•90

TEST 1514 BATCH 1 RUN 9 POINT 74

Q = 380.16 HO = 1879.9 PINF = 69.3 R/FT = 2.007

MACH= 2.800 ALPHA= 11.86 BETA = -4.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0660	0665	0666	0858	0841	0815	0.00
• 05	0721	0580	0583	0920	0857	0830	•05
•10	1104	0556	0530	0958	0836	0808	.10
•15	0785	0680	0619	0881	0797	0788	.15
•20	1146	1154	1173	0884	0777	0748	.20
• 25	0770	1111	1135	0865	0738	0714	.25
•30	1188	1222	1132	0834	0758	0747	.30
• 35	0861	1424	<b></b> 1355	0846	0811	0805	•35
•40	1173	1496	1487	0906	0891	0885	•40
• 45	1091	1509	1519	.0203	1008	1002	•45
• 50	1372	1499	1506	1105	1154	1153	•50
• 55	1333	1490	1493	1266	1308	1318	• 55
• 60	1443	1469	1487	1399	1439	1450	•60
<b>.</b> 65	1328	1442	1462	1441	1461	<b></b> 1473	• 65
.70	1404	1435	1457	1400	1419	1424	.70
•75	.7510	1426	1445	1351	1394	<b></b> 1399	.75
.80		1422	1432	1363	1399	1398	.80
• 85		1388	1430	1376	1415	1417	•85
• 90	•	1267	1394	1326	1356	1366	<b>.9</b> 0

TEST 1514 BATCH 1 RUN 9 POINT 77

Q = 379.11 HO = 1874.7 PINF = 69.1 R/FT = 2.001

MACH= 2.800 ALPHA= 11.87 BETA = -8.02

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0961	1037	0988	1182	1130	1024	0.00
• 05	0905	0901	0839	<b></b> 1155	0986	0936	•05
.10	1211	0714	0671	1059	0949	0942	.10
.15	0892	0474	0438	0910	0886	0914	.15
.20	1106	1027	1208	0952	0891	0892	.20
•25	0888	0988	1119	0968	0815	<b></b> 0751	.25
.30	0956	1378	1342	0902	0757	0715	.30
.35	0800	1524	1475	0820	0750	<b></b> 0717	•35
•40	1476	1487	1489	0806	0777	0752	•40
.45	0872	1493	1483	.0317	0817	0801	.45
• 50	1472	1476	1470	0829	0869	0852	•50
• 55	1025	1468	1453	0919	0947	0935	• 55
.60	1467	1486	1444	1028	1051	1043	•60
• 65	1258	1486	1437	<b></b> 1153	<b></b> 1176	<b></b> 1169	• 65
.70	1434	1480	1431	1288	1303	1301	•70
•75	:7536	1463	1424	<b></b> 1325	<b></b> 1356	<b></b> 1358	•75
.80		1442	1418	1294	1288	1288	.80
.85		1414	1417	1254	<b></b> 1256	<b></b> 1251	•85
<b>. 9</b> 0		1311	1412	1237	1245	1246	.90

TEST 1514 BATCH 1 RUN 9 POINT 67

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.87 BETA = 8.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1213	1233	1266	1349	1358	1377	0.00
.05	1273	1284	1330	1430	1449	1445	.05
.10	1288	1295	1310	1410	1462	1488	.10
.15	1438	<b></b> 1312	1299	1343	1523	1519	.15
.20	1295	1307	1294	1499	1527	1534	•20
.25	1461	1319	1300	1501	<b></b> 1564	1560	.25
•30	1102	1312	1298	1538	<b></b> 1575	1567	•30
.35	1510	1179	1256	1548	<b></b> 1576	1566	.35
.40	1188	1142	1199	<b></b> 1558	<b></b> 1582	1578	.40
.45	1542	1215	1208	.0510	1584	<b></b> 1587	. 45
• 50	1279	1262	1252	1516	<b></b> 1593	<b></b> 1590	• 50
• 55	1526	1296	1290	1568	1596	<b></b> 1602	• 55
• 60	1301	1334	1333	1572	<b></b> 1597	1602	• 60
• 65	1450	1364	1355	<b></b> 1573	1596	<b></b> 1595	• 65
.70	1279	1381	1386	1569	1601	1586	.70
•75	.7562	1386	1397	1545	1605	<b></b> 1579	.75
.80		1384	1392	1567	1600	. <b></b> 1571	.80
.85		1334	1380	1565	<b></b> 1593	1565	.85
• 90		1162	1326	1564	1597	1563	•90

TEST 1514 BATCH 1 RUN 9 POINT 68

Q = 379.15 HO = 1874.9 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.88 BETA = 4.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0992	1060	0948	1248	1308	1315	0.00
• 05	1486	1104	1102	1279	1338	1391	.05
.10	1310	1238	1233	1474	1570	1578	.10
•15	1558	1363	1371	1446	1600	1584	.15
•20	1290	1342	1361	1591	1598	1584	.20
•25	1532	1356	1358	1601	1605	<b></b> 1584	.25
•30	1279	<b></b> 1334	1308	1604	1603	1589	.30
• 35	<b></b> 1552	1286	1309	1598	1606	<b></b> 1596	.35
•40	1373	1309	1328	<b></b> 1592	1616	1615	•40
• 45	1582	1373	1369	0538	1628	<b></b> 1621	•45
• 50	1442	1429	1422	<b></b> 1561	1638	1620	• 50
• 55	<b></b> 1561	1461	1460	1618	1637	1629	• 55
• 60	1393	1492	<b></b> 1490	1622	<b></b> 1638	1629	•60
• 65	1487	<b></b> 1497	1488	1619	1631	1614	•65
• 70	1342	1493	1495	1614	1636	1608	.70
• 75	.7559	<b></b> 1491	1490	1587	1633	1604	.75
• 80		1484	1487	1609	1624	<b></b> 1596	.80
• 85		1414	1482	1607	1620	<b></b> 1595	.85
<b>. 9</b> 0		<b></b> 1205	1408	1601	1620	1590	•90

TEST 1514 BATCH 1 RUN 9 POINT 71

Q = 379.21 HO = 1875.2 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.87 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0927	0955	0932	1095	1114	1158	0.00
• 05	1151	1007	0964	1231	1296	1324	•05
.10	1324	1167	1124	1372	1465	1430	.10
• 15	1448	1359	1343	1394	1478	1436	.15
.20	1320	1363	1378	1511	1483	1437	•20
• 25	1432	1370	<b></b> 1375	1511	1490	1435	.25
•30	1339	1373	1365	1515	1508	1489	.30
• 35	1498	<b></b> 1375	1360	1532	1539	1540	.35
•40	1434	1386	1390	1564	1577	1586	•40
• 45	1543	1444	1444	.0592	1603	1611	.45
• 50	1489	1497	1502	1532	1625	1624	• 50
• 55	1529	1525	1538	1598	<b></b> 1633	1640	• 55
• 60	1418	1530	1530	1602	1628	1635	•60
• 65	1456	1526	1530	1596	1624	1625	• 65
• 70	1364	1523	1533	1588	1622	1617	.70
• 75	•7543	1520	1526	1558	1613	1608	•75
.80		1516	1528	1572	1602	1599	.80
<b>.</b> 85		1431	1518	1565	1589	<b></b> 1597	•85
• 90		1231	1427	1563	1587	1596	•90

TEST 1514 BATCH 1 RUN 9 POINT 72

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.87 BETA = -1.99

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1072	1059	1022	1178	1208	1241	0.00
• 05	1102	1200	1118	1206	1261	1290	•05
.10	1533	1404	1358	1320	1382	1333	.10
•15	1380	1569	1566	1326	1370	1326	.15
•20	1526	1573	1588	1453	1365	1277	.20
.25	<b></b> 1351	1579	1583	1457	1281	1228	.25
.30	1525	1578	1583	1375	1276	1262	.30
• 35	1362	<b></b> 1577	1583	1333	1335	1329	•35
•40	<b></b> 1539	<b></b> 1567	1579	1389	1411	1416	•40
• 45	1465	1585	1575	.0137	1480	1489	• 45
• 50	1553	1592	1586	1475	1537	1541	• 50
• 55	1503	1594	1599	1551	1577	1583	• 55
•60	1481	1594	1583	1573	1594	1604	•60
• 65	1448	1590	1594	1573	1587	<b></b> 1592	• 65
.70	1425	1588	1600	1561	1575	1575	.70
• 75	.7538	1586	· <b></b> 1592	<b></b> 1517	1564	1562	.75
.80		<b></b> 1585	1594	1537	1562	1560	.80
. 85		1503	1588	1532	1552	1560	.85
• 90		1286	1507	1524	1543	1555	•90

TEST 1514 BATCH 1 RUN 9 POINT 75

Q = 379.17 HO = 1875.0 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.86 BETA = -4.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1132	1006	1060	1180	1207	1245	0.00
• 05	1162	1270	1133	1274	1311	1304	.05
.10	1469	1406	1406	1335	1321	1288	.10
•15	1257	1485	1492	1270	1297	1283	.15
.20	1476	1517	1533	1353	1298	1264	•20
• 25	1243	1519	1531	1350	1241	1224	.25
•30	1486	1531	1527	1297	1233	1222	•30
•35	1252	<b></b> 1554	1552	1289	1262	1245	•35
•40	1490	<b></b> 1567	1584	1318	1316	1304	•40
• 45	1368	<b></b> 1591	1597	.0235	1370	1368	•45
• 50	1535	<b></b> 1598	1604	1381	1428	1427	•50
• 55	1445	<b></b> 1593	1604	1459	1479	1489	• 55
• 60	<b></b> 1495	1593	1579	1501	1525	1538	•60
•65	1393	1589	1593	1526	1543	<b></b> 1555	•65
•70	1444	<b></b> 1586	1597	1514	1530	1533	.70
•75	•7528	1586	1593	1476	1514	<del>-</del> .1512	.75
•80		<b></b> 1583	1592	1488	1506	1501	.80
• 85		1500	1590	1481	1500	1504	.85
• 90		1302	1502	1475	1498	1506	•90

TEST 1514 BATCH 1 RUN 9 POINT 76

Q = 379.31 HO = 1875.7 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.86 BETA = -8.02

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1316	1324	1343	1436	1467	1486	0.00
•05	1330	1399	1426	1494	1542	<b></b> 1545	• 05
.10	1298	1368	1410	1463	1528	1540	.10
.15	1332	1519	1466	1313	1392	1405	•15
.20	1565	1600	1597	1396	1408	1421	.20
.25	<b></b> 1331	1604	1592	1409	1346	1317	.25
.30	1572	1611	1595	1372	1240	1190	.30
.35	1305	1619	1603	1292	1191	<b></b> 1160	• 35
•40	1574	1607	1608	1238	1206	1199	•40
• 45	1176	1627	1611	.0278	1246	1244	•45
•50	1579	1627	1614	1242	1280	1276	• 50
• 55	1305	1626	1615	1311	1317	1314	• 5 5
•60	1521	1628	1602	1344	1351	<b></b> 1347	• 60
•65	<b></b> 1353	1625	1606	1370	1378	<b></b> 1370	• 65
.70	1468	1626	1615	1388	1391	<b></b> 1386	•70
.75	.7537	1624	1609	1367	<b></b> 1388	<b></b> 1382	•75
.80		1623	1611	1383	1382	<b></b> 1376	.80
.85		1546	1610	1372	1374	1373	•85
•90		1343	1530	1363	1369	1371	.90

TEST 1514 BATCH 1 RUN 11 POINT 94

Q = 189.54 HO = 937.3 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= -.16 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0175	.0148	.0142	0088	0004	.0016	0.00
.05	.0181	.0180	.0151	0118	.0007	.0013	.05
.10	.0172	.0166	•0151	0101	0001	.0005	.10
.15	.0170	.0166	.0158	.0030	0002	.0022	•15
.20	.0139	.0158	.0159	0080	0008	.0025	.20
•25	.0146	• 01 54	.0163	0093	0005	.0040	• 25
•30	.0127	.0142	.0147	0047	0007	.0040	•30
•35	.0128	.0139	.0142	.0010	0006	.0045	•35
•40	.0119	.0136	.0133	.0052	0007	.0036	•40
•45	.0109	.0128	.0125	0039	0002	.0033	•45
• 50	.0103	.0130	.0126	.0133	0001	.0038	• 50
• 55	.0090	.0123	.0131	.0146	.0002	.0031	• 55
• 60	0018	.0118	.0120	.0158	.0026	.0030	• 60
• 65	0038	.0102	.0114	.0158	.0051	.0038	• 65
•70	0240	.0074	.0115	.0156	.0095	.0063	•70
.75	1.6691	.0050	•0094	.0174	.0126	.0103	•75
.80		.0030	.0004	.0159	.0166	.0147	•80
.85		0048	0038	.0023	.0138	.0149	•85
.90		0483	0138	0085	0134	0070	•90

TEST 1514 BATCH 1 RUN 11 POINT 95

Q = 189.42 HO = 936.7 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 3.86 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ΕTA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0090	0124	0121	0325	0251	0246	0.00
.05	0097	0104	0128	0370	0267	<b></b> 02 57	•05
.10	0110	0121	0118	0344	0270	0261	.10
.15	0100	0118	0109	0199	0263	0244	.15
•20	0132	0131	<b></b> 010 <b>9</b>	0334	0266	0243	.20
•25	0101	0141	0118	0345	0262	0225	.25
•30	0141	0149	0133	0300	0258	0219	.30
•35	0102	0162	0132	0227	0247	0202	.35
•40	0233	0160	0129	0161	0226	0195	.40
• 45	0108	0161	0116	.0088	0184	0164	.45
• 50	0338	0152	0117	0102	0152	0132	• 50
• 55	0757	0159	0258	0351	0395	0413	• 55
•60	0334	0554	0665	0623	0691	0719	•60
• 65	0589	0878	0788	0751	0839	0867	•65
.70	0554	0854	0788	0827	0894	0913	.70
• 75	1.6693	0836	0804	0819	0911	0897	•75
.80		0817	0821	0830	0871	0859	.80
<b>.</b> 85		0668	0817	0809	0848	0846	.85
•90		0500	0688	0801	0836	0856	•90

TEST 1514 BATCH 1 RUN 11 POINT 96

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 7.85 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0278	0322	0310	0514	0451	0452	0.00
.05	0307	0324	0333	0578	0499	0478	•05
.10	0398	0354	0342	0565	0495	0476	.10
•15	0360	0376	0339	0403	0467	0459	.15
•20	0465	0406	0344	0552	0466	0452	.20
•25	0387	0418	0330	0543	0460	0432	.25
•30	0573	0439	0331	0505	0450	0430	.30
•35	0522	0447	0384	0492	0467	0445	.35
•40	0849	0503	0555	0577	0592	0590	.40
•45	0962	0743	0866	.0156	0898	0929	•45
• 50	0882	1031	1107	1060	1168	1190	•50
• 55	1037	1087	1165	1202	1266	<b></b> 1303	•55
•60	0716	1098	1187	1197	1261	1295	•60
• 65	0867	1114	1140	1178	1250	1262	•65
.70	0807	1089	1152	1165	1226	1218	.70
• 75	1.6691	1086	1131	1102	1206	<b></b> 1194	.75
.80		1106	1102	1114	1179	1174	.80
• 85		0942	1079	1109	1148	1156	.85
• 90		0595	0935	1109	1138	1160	•90

TEST 1514 BATCH 1 RUN 11 POINT 97

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.85 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0436	0479	0457	0664	0656	0674	0.00
.05	0498	0493	0488	0753	0740	0732	.05
.10	0754	0563	0515	0772	0774	0737	.10
.15	0750	0690	0621	0651	0767	0734	.15
.20	0761	0787	0768	0842	0718	0689	.20
.25	0743	0799	0750	0778	0718	0732	.25
.30	0957	0820	0761	0797	0830	0856	.30
.35	0968	0922	0906	0921	0995	1014	.35
.40	1171	1050	1077	1091	1179	1202	•40
.45	1218	1193	1224	.0219	1312	1334	• 45
•50	1182	1274	1309	1296	1381	1389	•50
• 55	1200	1265	1313	1355	1391	1413	• 55
.60	0985	1269	1333	1346	1387	1411	•60
• 65	1031	1279	1291	1337	1381	1394	• 65
.70	0938	1280	1305	1328	1383	1383	.70
.75	1.6675	1275	1298	1268	1371	<b></b> 1367	•75
.80		1263	1282	1287	1333	1326	.80
.85		1097	1243	1258	1300	1311	•85
•90		0685	1083	1251	1303	1319	<b>.9</b> 0

TEST 1514 BATCH 1 RUN 11 POINT 98

Q = 189.48 HO = 937.0 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 15.87 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0585	0613	0594	0799	0837	0862	0.00
.05	0692	0654	0669	0919	0985	0994	•05
.10	1087	0808	0799	1009	1115	1045	.10
.15	1103	<b></b> 1072	1043	0936	1113	1048	.15
.20	1080	1146	1161	1168	1104	0999	.20
.25	1060	1157	1148	1168	<b></b> 1054	0989	.25
.30	1154	1159	1151	1136	1103	1087	•30
.35	1151	1173	1167	1151	1206	1204	.35
•40	1278	1226	1241	1246	1316	1336	.40
.45	1310	1334	1311	.0248	1397	1418	• 45
•50	1290	1368	1366	1355	1447	1448	• 50
• 55	1287	1365	1384	1421	1456	1477	• 55
•60	1120	1363	1383	1409	1453	1474	•60
• 65	1128	1362	1366	1409	1443	1452	• 65
.70	1032	1360	1378	1400	1449	1435	.70
.75	1.6671	1358	1373	1344	1444	1426	•75
.80		<b></b> 1357	1378	1391	1434	1418	.80
.85		<b></b> 1195	1356	1369	1399	1401	.85
•90		0760	1176	1352	1391	1394	•90

TEST 1514 BATCH 1 RUN 11 POINT 99

Q = 189.56 HO = 937.4 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.85 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0760	0779	0765	0929	0983	1022	0.00
•05	0929	0876	0900	1078	1152	1188	.05
.10	1288	1090	1090	1198	1318	1254	.10
.15	1304	1299	1291	1059	1312	1261	.15
.20	1281	1335	1366	1337	1316	1256	.20
.25	1256	1345	1349	1349	1287	1251	.25
•30	1295	1345	1351	1348	1291	1275	•30
•35	1295	1351	<b></b> 1353	1343	1345	1329	.35
•40	1339	1342	1370	1363	1403	1406	.40
•45	1380	1395	1399	1019	1447	1459	•45
•50	1356	1414	1423	1420	1475	1475	• 50
• 55	1358	1413	1432	1449	1490	1517	• 55
•60	1207	1422	1415	1452	1496	1523	•60
• 65	1200	1419	1417	1444	1484	1496	•65
.70	1105	1421	1435	1443	1491	1486	.70
.75	1.6666	1417	1423	1381	1486	1472	•75
.80		1413	1437	1433	1480	1467	.80
.85		1262	1421	1434	1457	1464	•85
•90		0823	1248	1415	1449	1456	•90

TEST 1514 BATCH 1 RUN 10 POINT 93

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.85 BETA = 8.01

ETA	X/L≃.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0869	0896	0385	1005	0993	0954	0.00
•05	0714	0852	0916	1034	0952	0866	.05
.10	0877	0901	0904	0816	0790	1017	.10
•15	1143	0910	0903	0539	1178	1171	.15
•20	0877	0893	0891	1173	1164	1254	.20
•25	1149	0908	0892	1139	1332	1345	.25
.30	0787	0892	0870	1283	1371	1355	.30
•35	1248	0797	0793	1337	1371	1340	.35
.40	0820	0748	0776	1353	1378	1364	.40
• 45	1269	0822	0815	0249	1375	1374	•45
• 50	0932	0888	0877	1332	1381	1378	• 50
• 55	1248	0981	0960	1365	1398	1408	• 55
•60	1077	1070	1068	1370	1401	1419	•60
• 65	1179	1155	<b></b> 1155	1372	1415	1413	.65
.70	1041	1215	1225	1362	1420	1410	.70
•75	1.6705	1220	1225	1291	1414	1400	.75
.80		1210	1219	1353	1405	1394	.80
.85		1119	1211	1345	1402	1392	.85
•90		0873	1130	1348	1400	1386	.90

TEST 1514 BATCH 1 RUN 10 POINT 90

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = 4.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0527	0569	0539	0728	0716	0706	0.00
.05	0433	0602	0618	0747	0700	0704	•05
.10	0721	0677	0665	0698	0780	0826	.10
.15	0943	0732	0721	<b></b> 0677	<b></b> 0870	0831	.15
.20	0702	0731	0739	1002	0820	0875	.20
.25	0952	0736	0736	0940	1028	1114	.25
.30	0766	0715	0700	1031	1254	1297	.30
•35	1209	0755	0754	1232	<b></b> 1367	<b></b> 1373	.35
•40	0985	0816	0847	1354	1410	1408	.40
•45	1256	0975	0979	0579	1412	1405	•45
•50	1178	1111	1122	1358	1400	1391	• 50
•55	1236	1237	1245	1369	1394	1408	• 55
•60	1136	1291	1318	1360	1380	1400	• 60
.65	1134	1277	1281	1349	1373	<b></b> 1382	• 65
.70	1054	1273	1283	1332	<b></b> 1371	1371	.70
•75	1.6711	1267	1276	1257	1363	<b></b> 1359	•75
.80		1267	1281	1308	1352	1358	.80
.85		1165	1273	1300	1344	1359	•85
•90	•	0880	1156	1299	1344	1360	.90

TEST 1514 BATCH 1 RUN 10 POINT 89

Q = 189.44 HO = 936.8 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0575	0609	0573	0739	0781	0746	0.00
•05	0546	0588	0606	0789	0788	<b></b> 0744	•05
.10	0865	0723	0682	0780	0851	0830	.10
.15	1013	0865	0816	0707	0865	<b></b> 0802	•15
•20	0835	0864	0857	1016	0792	0793	.20
.25	0967	0876	0829	0964	0904	0937	.25
.30	0961	0855	0802	0981	1117	1159	.30
.35	1198	0913	0889	1160	1301	1310	.35
.40	1176	0980	1019	1315	1398	1408	•40
.45	1286	1156	1167	0768	1423	1422	•45
•50	1270	1278	1289	1378	1419	1413	.50
•55	1259	1337	1351	1390	1424	<b></b> 1436	• 55
.60	1174	1334	1361	1386	1410	1430	•60
.65	1165	1314	1319	1379	1414	1410	• 65
.70	1094	1316	1330	1372	1403	1389	.70
.75	1.6723	1314	1319	1270	1373	<b></b> 1362	.75
.80		1320	1324	1313	1357	1357	.80
.85		1204	1302	1306	1350	1360	.85
•90		0906	1178	1304	1344	1355	•90

TEST 1514 BATCH 1 RUN 10 POINT 86

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = -2.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0528	0552	0521	0706	0717	0698	0.00
.05	0580	<b>~.</b> 0477	0486	0801	0772	0755	•05
.10	0882	0512	0462	0819	0786	0763	.10
.15	0740	0659	0554	0633	0757	<b></b> 0742	•15
.20	0916	0928	0946	0818	0725	0693	.20
.25	0714	0944	0927	0767	0707	0687	•25
•30	1121	0990	0956	0755	0761	0737	.30
.35	0875	1147	1159	0821	0849	0825	•35
.40	1192	1256	1318	0942	0976	0980	•40
.45	1141	1366	1378	•3504	1132	1150	•45
• 50	1193	1358	1370	1120	1269	1280	•50
• 55	1199	1344	1364	1308	<b></b> 1355	<b></b> 1378	• 55
• 60	1184	1354	1372	1336	1359	1381	• 60
• 65	1099	1345	1340	<b></b> 1325	1352	1359	•65
.70	1099	1335	1351	1322	1359	1354	.70
•75	1.6740	1301	1340	1260	1362	1354	.75
.80		1291	1312	1305	1348	1344	.80
.85		1182	1281	1275	1305	1309	.85
• 90		0880	1166	<b></b> 1235	1269	1282	<b>.9</b> 0

TEST 1514 BATCH 1 RUN 10 POINT 82

Q = 189.77 HO = 938.4 PINF = 34.6 R/FT = 1.002

MACH= 2.800 ALPHA= 11.84 BETA = -4.02

T3 777 A	37 /7 1	17 /7 O	v. /	37.17 (	v/1 _ 0	v /1 0	12 M A
ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0561	0604	0580	0731	0718	0714	0.00
• 05	0642	0502	0516	0851	0789	0768	• 05
.10	0959	0495	0463	0841	0788	0753	.10
.15	0706	0625	0613	0637	0729	0721	•15
.20	1051	1016	1010	0813	0702	0675	.20
.25	0672	1037	0964	0792	0664	0656	.25
.30	1083	1086	0968	0752	0697	0690	.30
.35	0763	1235	1242	0764	0747	0729	.35
•40	1052	1330	1383	0824	0829	0817	•40
•45	0985	1361	1369	.3288	0938	0929	•45
• 50	1225	1356	1368	0955	1083	1080	• 50
• 55	1180	1349	1368	<b></b> 1177	1224	1245	• 55
•60	1196	1336	1373	1292	1336	1362	•60
• 65	1088	1324	1338	<b></b> 1318	1349	1359	• 65
.70	1100	1319	1326	1289	1328	1331	•70
•75	1.6735	1313	1299	1222	1318	1316	.75
.80		<b></b> 1307	1295	1271	1311	1308	.80
.85		1188	1298	1270	1310	1316	.85
•90		0864	1181	1224	1262	1276	•90

TEST 1514 BATCH 1 RUN 10 POINT 85

Q = 189.42 HO = 936.7 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = -8.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0779	0874	0842	0956	0912	0881	0.00
.05	0816	0724	<b></b> 0765	1007	0926	0887	•05
.10	1037	0603	0618	0945	0923	0901	.10
•15	0796	0376	0448	0692	0842	0850	•15
.20	1040	1031	0995	0895	0845	0845	.20
.25	0781	1022	1014	0902	0781	0731	•25
.30	0834	1182	1189	0825	0709	0664	.30
.35	0760	<b></b> 1357	1342	<b></b> 0755	0688	0646	.35
.40	1247	1340	1336	0740	0712	0686	•40
.45	0806	1357	1319	.3419	0750	0730	.45
•50	1272	1350	1316	0705	0804	0782	•50
•55	0937	1335	1299	0861	0885	0872	• 55
.60	1186	1332	1314	0961	0987	0977	•60
.65	1061	1308	1301	1086	1113	1103	• 65
.70	1113	1301	1300	1197	1226	1209	.70
.75	1.6769	1301	1293	1189	1265	1249	•75
.80		1297	1292	1232	1234	1218	.80
.85		1191	1288	1201	<b></b> 1197	1191	.85
.90		0901	1189	1178	1178	1185	•90

TEST 1514 BATCH 1 RUN 10 POINT 92

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.83 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1032	1050	1081	1154	1192	1215	0.00
•05	1231	1130	1197	1284	<b></b> 1335	<b></b> 1336	• 05
.10	1205	1202	1214	1296	1380	<b></b> 1365	•10
•15	1322	1242	<b></b> 1227	1027	1371	<b></b> 1353	.15
.20	1186	1232	1237	1336	1370	1348	.20
•25	1288	1254	1235	1351	1379	<b></b> 1365	•25
.30	1102	1250	1242	1355	1389	<b></b> 1370	.30
.35	1323	<b></b> 1147	1188	1362	<b></b> 1401	<b></b> 1368	•35
.40	1120	1040	1093	1364	1399	<b></b> 1380	•40
.45	1363	1131	1131	0367	<b></b> 1395	<b></b> 1384	•45
•50	1199	1201	1187	1356	1406	1386	• 50
•55	1340	1244	1229	1382	1410	1403	• 55
•60	1157	1283	1291	1388	1415	1409	•60
.65	1229	1290	1277	1382	1409	1394	• 65
.70	1087	1303	1292	1383	1410	1380	.70
.75	1.6803	1307	1295	1328	1414	<b></b> 1375	•75
.80		1300	1297	1387	1408	1370	.80
.85		1199	1291	1396	1402	1370	•85
.90		0907	1187	1387	1408	1370	<b>.9</b> 0

TEST 1514 BATCH 1 RUN 10 POINT 91

Q = 189.60 HO = 937.6 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.84 BETA = 4.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0820	0759	0833	1000	1035	1062	0.00
.05	1151	0922	1007	1084	1161	1201	•05
.10	1090	1056	1080	1208	1329	1344	.10
•15	1295	1149	1167	1083	1376	<b></b> 1363	.15
.20	1078	1132	1172	1365	1375	1361	.20
•25	1266	1144	1165	1375	1405	<b></b> 1395	.25
.30	1107	1146	1165	1391	1443	1431	.30
•35	1339	1142	1163	1416	1470	1442	•35
.40	1204	1159	1193	1445	1493	1466	•40
•45	1394	1230	1239	0491	1493	1469	•45
• 50	1292	1291	1301	1443	1500	1464	•50
• 55	1369	1340	1351	1469	1501	1488	• 55
.60	1192	1371	1378	1476	1497	1486	.60
• 65	1230	1367	1365	1474	1491	1466	• 65
•70	1104	1364	1372	1463	1497	1455	•70
•75	1.6782	1365	1366	1407	1499	1448	.75
.80		1359	1370	1460	1488	1442	.80
• 85·		1231	1366	1461	1477	1443	.85
•90		0911	1230	1456	1478	1443	•90

TEST 1514 BATCH 1 RUN 10 POINT 88

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.86 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L = .6	X/L=.8	X/L=.9	ETA
0.00	0813	0862	0843	0980	1026	1060	0.00
.05	1049	0896	0916	1159	1218	1246	.05
.10	1263	1090	1077	1264	1371	1332	.10
.15	1325	1296	1279	1082	1376	1327	•15
.20	1247	1309	1323	1382	1376	1330	.20
.25	1285	1321	1318	1396	1372	1326	.25
.30	1249	1318	1313	1391	1372	1354	.30
•35	1311	1326	1314	1385	1389	1381	•35
•40	1306	1307	1323	<b></b> 1396	1411	1420	.40
• 45	1373	1371	1360	0816	1445	1453	•45
• 50	1340	1404	1395	1415	1471	1468	•50
• 55	1352	1410	1410	1440	1482	<b></b> 1501	• 55
•60	1231	1416	1415	1453	1487	1506	.60
• 65	1216	1406	1399	1451	1482	1483	.65
•70	1139	1406	1409	1448	1491	1477	•70
•75	1.6720	1404	1403	1387	1486	1468	•75
.80		1398	1404	1439	1468	1456	.80
.85		1269	1406	1442	1462	1462	.85
•90		0924	1261	1425	1456	1451	• <b>9</b> 0

TEST 1514 BATCH 1 RUN 10 POINT 87

Q = 189.58 HO = 937.5 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.86 BETA = -2.01

#### PRESSURE COEFFICIENTS FOR:

0.00      0790      0825      0818      0948      0984      1027         .05      0903      0961      0974      1070      1115      1143         .10      1258      1122      1110      1152      1225      1169         .15      1169      1274      1263      0988      1225      1175         .20      1269      1326      1354      1240      1220      1147         .25      1133      1339      1348      1255      1192      1123         .30      1307      1354      1357      1224      1185      1156         .35      1168      1393      1407      1198      1226      1211         .40      1335      1399      1441      1245      1290      1290         .45      1289      1441      1444       .0206      1347      1356         .50      1346      1444      1450      1321      1406      1399         .55      1304      1431      1444      1399      1434      1455	0.00 .05 .10 .15 .20
.10      1258      1122      1110      1152      1225      1169         .15      1169      1274      1263      0988      1225      1175         .20      1269      1326      1354      1240      1220      1147         .25      1133      1339      1348      1255      1192      1123         .30      1307      1354      1357      1224      1185      1156         .35      1168      1393      1407      1198      1226      1211         .40      1335      1399      1441      1245      1290      1290         .45      1289      1441      1444       .0206      1347      1356         .50      1346      1444      1450      1321      1406      1399         .55      1304      1431      1444      1399      1434      1455	.10 .15 .20
.15      1169      1274      1263      0988      1225      1175         .20      1269      1326      1354      1240      1220      1147         .25      1133      1339      1348      1255      1192      1123         .30      1307      1354      1357      1224      1185      1156         .35      1168      1393      1407      1198      1226      1211         .40      1335      1399      1441      1245      1290      1290         .45      1289      1441      1444       .0206      1347      1356         .50      1346      1444      1450      1321      1406      1399         .55      1304      1431      1444      1399      1434      1455	.15 .20
.20      1269      1326      1354      1240      1220      1147         .25      1133      1339      1348      1255      1192      1123         .30      1307      1354      1357      1224      1185      1156         .35      1168      1393      1407      1198      1226      1211         .40      1335      1399      1441      1245      1290      1290         .45      1289      1441      1444       .0206      1347      1356         .50      1346      1444      1450      1321      1406      1399         .55      1304      1431      1444      1399      1434      1455	•20
.25      1133      1339      1348      1255      1192      1123         .30      1307      1354      1357      1224      1185      1156         .35      1168      1393      1407      1198      1226      1211         .40      1335      1399      1441      1245      1290      1290         .45      1289      1441      1444       .0206      1347      1356         .50      1346      1444      1450      1321      1406      1399         .55      1304      1431      1444      1399      1434      1455	
.30	.25
.35  1168  1393  1407  1198  1226  1211 .40  1335  1399  1441  1245  1290  1290 .45  1289  1441  1444   .0206  1347  1356 .50  1346  1444  1450  1321  1406  1399 .55  1304  1431  1444  1399  1434  1455	
.40133513991441124512901290 .45128914411444 .020613471356 .50134614441450132114061399 .55130414311444139914341455	.30
.45128914411444 .020613471356 .50134614441450132114061399 .55130414311444139914341455	•35
.50134614441450132114061399 .55130414311444139914341455	.40
.55130414311444139914341455	•45
1-1	•50
.60123914341429141214471472	• 55
	•60
<b>.</b> 65 <b></b> 1172 <b></b> 1433 <b></b> 1435 <b></b> 1413 <b></b> 1441 <b></b> 1453	• 65
<b>.</b> 70 <b></b> 1142 <b></b> 1430 <b></b> 1442 <b></b> 1403 <b></b> 1446 <b></b> 1437	.70
.75 1.672614241438135114461432	•75
•80 -•1421 -•1442 -•1400 -•1435 -•1425	.80
<b>.</b> 85 <b></b> 1273 <b></b> 1429 <b></b> 1398 <b></b> 1420 <b></b> 1422	.85
<b>.</b> 90 <b></b> 0926 <b></b> 1272 <b></b> 1380 <b></b> 1413 <b></b> 1417	.90

TEST 1514 BATCH 1 RUN 10 POINT 83

Q = 189.87 HO = 938.9 PINF = 34.6 R/FT = 1.002

MACH= 2.800 ALPHA= 19.86 BETA = -4.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0826	0840	0882	1008	1016	1060	0.00
• 05	0972	0982	0859	1161	<b></b> 1173	1167	•05
.10	1274	1201	1185	1176	1182	1160	.10
•15	1100	1289	1302	0963	<b></b> 1179	1162	•15
•20	1302	1356	1374	1203	1179	1144	.20
• 25	1064	1370	1359	1205	1133	1112	•25
•30	1307	1383	1362	1152	1133	1116	.30
• 35	1095	1425	1426	1145	<b></b> 1156	1133	•35
•40	1310	1432	1462	1190	1207	1197	•40
• 45	1228	1452	1451	.3298	1258	1262	•45
• 50	1362	1450	1460	1182	1330	1319	• 50
• 55	1284	1450	1464	1338	1381	1396	• 55
• 60	1256	1451	1438	1387	1424	1445	•60
• 65	1161	1453	1448	1404	1433	1440	.65
•70	1156	1443	1456	1387	1429	1420	•70
•75	1.6821	1446	1443	1329	1426	1408	.75
.80		1443	1447	1378	1416	1398	.80
• 85		1290	1449	1379	1400	1405	.85
•90		0921	1289	1366	1397	1399	•90

TEST 1514 BATCH 1 RUN 10 POINT 84

Q = 189.44 HO = 936.8 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.86 BETA = -8.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1035	1081	1081	1154	1190	1210	0.00
.05	1117	1163	1196	1285	1314	1297	•05
.10	1223	1251	1268	1233	1275	1236	.10
.15	1157	1333	1329	0926	<b></b> 1124	1058	•15
.20	1324	1370	1377	1166	1142	1084	•20
.25	1125	1377	1363	1172	1084	1007	.25
•30	1320	1382	1369	1132	1025	0934	.30
.35	1112	1406	1385	1087	1019	0895	•35
•40	1325	1380	1395	1076	1034	0896	.40
.45	1076	1412	1392	.3366	1045	0872	•45
• 50	1345	1410	1397	1034	1061	0847	•50
• 55	1156	1406	1394	1152	1078	0843	• 55
•60	1259	1415	1410	1193	1095	0830	•60
• 65	1134	1414	1393	1217	1113	0824	• 65
•70	1171	1422	1405	1236	1125	0833	.70
.75	1.6865	1421	1395	1181	1125	0855	.75
.80		1421	1402	1236	1129	0877	.80
.85		1297	1405	1241	1147	0921	.85
•90		0941	1276	1225	1134	0932	•90

TEST 1514 BATCH 3 RUN 32 POINT 243

Q = 450.62 HO = 1050.3 PINF = 286.1 R/FT = 1.999

MACH= 1.500 ALPHA= -.42 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0249	.0255	.0217	0311	.0015	.0126	0.00
.05	.0246	.0285	.0216	0396	.0035	.0099	•05
.10	.0215	.0271	.0206	0387	.0048	0007	•10
.15	.0168	.0263	.0187	0364	.0038	.0065	.15
.20	.0303	.0213	.0180	0346	.0074	.0099	•20
.25	• 02 52	.0267	.0218	0323	.0056	.0102	• 25
.30	.0268	.0255	.0216	0318	.0065	.0111	.30
.35	• 02 50	.0244	.0215	0299	.0063	.0106	• 35
•40	.0234	.0229	.0215	0260	.0065	.0092	.40
• 45	.0230	.0219	.0211	0217	•0058	.0097	.45
•50	•0227	.0210	.0203	0172	.0040	.0082	• 50
• 55	.0179	.0193	.0191	0158	.0021	.0075	• 55
•60	.0061	.0141	.0158	0147	0025	.0040	• 60
•65	•0085	.0066	.0098	0155	0095	0025	• 65
.70	.0225	.0067	.0064	0191	0235	0174	.70
•75	1422	.0185	.0232	.0063	.0040	.0123	.75
.80		.0231	.0302	.0169	.0135	.0218	.80
.85		.0313	.0364	.0244	.0219	.0298	.85
.90		.0264	.0439	.0260	.0271	.0363	.90
.,,							

TEST 1514 BATCH 3 RUN 32 POINT 244

Q = 451.22 HO = 1051.7 PINF = 286.5 R/FT = 2.001

MACH= 1.500 ALPHA= 3.57 BETA = -.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0120	0136	0072	0595	0225	0191	0.00
• 05	0118	0103	0073	0661	0219	0202	.05
.10	0128	0116	0088	0655	0259	0340	.10
• 15	0161	0113	0106	0632	0331	0270	.15
•20	0075	0155	0112	0622	0285	0223	.20
• 25	0158	0095	0084	0582	0342	0253	.25
•30	0140	0134	0127	0648	0344	0255	.30
• 35	0184	0165	0181	0624	0360	0253	•35
•40	0167	0218	0199	0596	0369	0262	•40
• 45	0196	0235	0204	0580	0382	0271	• 45
• 50	0216	0241	0224	0564	0406	0314	• 50
• 55	0328	0240	0253	0549	0435	0352	• 55
<b>.</b> 60	0431	0293	0311	0539	0488	0411	•60
• 65	0449	0362	0391	0547	0582	0527	• 65
•70	0506	0343	0421	0504	0655	0631	.70
• 75	1143	0378	0447	0383	0726	0634	•75
<b>.</b> 80		0782	0833	0958	1165	0859	.80
• 85		<b></b> 1178	1213	1468	1315	1233	.85
• 90		0450	1297	1539	1362	1386	•90

TEST 1514 BATCH 3 RUN 32 POINT 245

Q = 451.34 HO = 1052.0 PINF = 286.6 R/FT = 2.002

MACH= 1.500 ALPHA= 7.57 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0491	0486	0509	0906	0640	0562	0.00
. 05	0500	0451	0498	0972	0647	0545	.05
.10	0518	0461	0492	0969	0665	0634	.10
.15	0564	0466	0510	0951	0686	0567	.15
.20	0432	0522	0531	0941	0648	0524	•20
• 25	0466	0460	0490	0901	0668	0527	.25
.30	0485	0467	0480	0901	0627	0521	.30
• 35	0511	0472	0486	0844	0620	0541	.35
•40	0694	0534	0524	0784	0649	0604	•40
• 45	1324	0766	0676	0876	0864	0825	.45
<b>.</b> 50	2086	1441	1207	1395	1549	1600	• 50
• 55	2765	2336	2116	2337	2515	2569	• 55
<b>.</b> 60	2727	2912	2932	3093	3088	3099	•60
• 65	2620	2862	2950	3070	2940	2953	• 65
.70	2711	2559	2462	2500	2448	2476	.70
• 75	1373	2546	2454	2516	2456	2471	.75
.80		2380	2321	2499	2325	2342	.80
• 85		2176	2101	2135	2250	2252	.85
• 90		1061	2107	2174	2304	2306	•90

TEST 1514 BATCH 3 RUN 32 POINT 246

Q = 451.22 HO = 1051.7 PINF = 286.5 R/FT = 2.001

MACH= 1.500 ALPHA= 11.56 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0975	0913	0920	1414	1090	1105	0.00
• 05	1055	0901	0934	1533	1095	1120	•05
.10	1347	1019	1028	1623	1181	1216	.10
•15	1342	1249	1258	1650	<b></b> 1176	<b></b> 1079	.15
.20	1227	1379	1366	1413	1108	1008	.20
•25	<b></b> 1287	1214	1215	1322	1203	1099	.25
.30	1677	1283	1257	1413	1342	1262	.30
•35	<b></b> 1959	1576	1528	1652	1642	1606	•35
.40	2863	2058	1981	2069	2121	2164	•40
•45	3311	2735	2622	2693	2819	2877	•45
• 50	3631	3499	3382	3422	3591	3662	• 50
• 55	<b></b> 3597	3941	4022	4111	4271	4320	• 55
• 60	3399	<b></b> 3672	3766	3879	3761	3646	•60
• 65	<b></b> 3498	3474	3386	<b></b> 3331	3394	3396	•65
.70	3494	3357	3250	3242	3353	3375	•70
•75	1740	3433	3353	3391	3518	3545	•75
.80		3255	3217	3338	3309	3296	.80
• 85		2929	2866	2908	2950	3010	.85
• 90		1575	2883	2901	2993	3108	•90

TEST 1514 BATCH 3 RUN 33 POINT 247

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= -.27 BETA = -.00

ЕТА	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0280	.0256	.0240	0208	.0028	.0058	0.00
• 05	.0272	.0289	.0249	0268	.0042	.0067	•05
.10	.0257	.0281	.0250	0252	.0040	0027	.10
.15	.0231	.0280	.0242	0219	.0023	.0026	.15
.20	.0332	.0245	.0242	0193	.0053	.0055	.20
.25	.0299	.0291	.0270	0174	•0037	.0057	•25
.30	.0291	.0280	.0267	0172	.0045	.0068	.30
•35	.0277	• 02 65	.0261	0148	.0034	.0068	•35
.40	.0248	.0250	.0251	0116	.0036	.0062	•40
•45	.0236	.0238	.0241	0081	.0031	.0060	• 45
•50	•0244	.0230	.0227	0045	.0017	.0036	• 50
• 55	.0177	.0217	.0206	0003	.0001	.0027	• 55
.60	.0106	.0179	.0171	.0034	0040	0003	•60
• 65	.0090	.0105	.0103	.0035	0111	0062	• 65
.70	.0249	.0105	.0050	0020	0251	0203	•70
•75	.0211	.0243	.0227	.0190	.0040	.0075	•75
.80		.0288	.0303	.0272	.0172	.0171	.80
.85		.0378	.0362	.0341	.0253	.0244	•85
•90		.0629	.0440	.0371	.0272	•0327	•90

TEST 1514 BATCH 3 RUN 33 POINT 248

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 3.71 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0078	0094	0086	0476	0247	0241	0.00
.05	0081	0065	0076	0529	0236	0227	•05
.10	0080	0076	0069	0520	0245	0328	.10
•15	<b></b> 00 <b>9</b> 8	0070	0069	0498	0308	0289	•15
.20	0046	0101	0060	0513	0268	0236	•20
•25	0106	0063	0039	0486	0346	0287	•25
•30	0120	0105	0087	0587	<b></b> 0351	0298	.30
•35	<b></b> 01 52	0138	0146	0529	0356	0324	• 35
•40	0140	0185	0176	0488	0370	0348	•40
•45	01 57	0207	0190	0465	0391	0356	• 45
•50	0203	0233	0212	0447	0414	0396	• 50
•55	0300	0245	0244	0420	<b></b> 04 50	<b></b> 0430	• 55
•60	0402	0303	0287	0408	0506	0488	• 60
•65	0370	0377	0364	0432	<b></b> 0584	<b></b> 0578	• 65
.70	0426	0365	0404	0458	0689	0685	•70
•75	0013	0345	0375	0391	0521	<del>-</del> .0575	•75
.80		0627	0664	0731	0940	0877	.80
.85		0964	1077	1120	1269	1131	.85
•90		0068	1271	1293	1254	1235	•90

TEST 1514 BATCH 3 RUN 33 POINT 249

Q = 456.98 HO = 1115.0 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 7.70 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0434	0447	0429	0834	0629	0606	0.00
•05	0442	0412	0417	0887	0607	0576	• 05
•10	0461	0419	0424	0883	0611	0640	.10
• 1.5	0485	0426	0441	0863	0645	0598	.15
•20	0403	0469	0466	0846	0614	0572	.20
•25	0409	0416	0431	0816	0636	0588	.25
•30	0455	0428	0427	0820	0600	0561	.30
•35	0504	0456	0446	0735	0600	0571	•35
•40	0888	0564	0504	0730	0637	0653	.40
•45	1595	0894	0709	0909	0911	0949	• 45
• 50	2311	1580	1335	1502	1702	1761	• 50
• 55	2436	2273	2228	2297	2544	2548	• 55
• 60	2279	2487	2684	2696	2788	<b></b> 2770	•60
• 65	2217	2316	2460	2585	2410	2400	• 65
•70	2226	2128	2094	2172	2129	2124	•70
<b>.</b> 75	0468	2100	2118	2148	2167	2130	•75
.80		1929	1950	2024	2015	2031	.80
•85		1871	1823	1835	2007	2015	.85
• 90		0664	1815	1852	2043	1987	•90

TEST 1514 BATCH 3 RUN 33 POINT 250

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.75 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0835	0802	0824	1273	1059	1029	0.00
.05	0915	0784	0827	1342	1061	1083	.05
.10	1187	0893	0908	1443	1116	1183	.10
.15	1217	1131	1130	1531	1089	1070	.15
.20	1102	1295	1250	1352	1028	1011	.20
.25	1160	1146	1110	1266	1101	1111	.25
.30	1538	1221	1148	1371	1232	1280	.30
.35	1892	1538	1429	1596	1560	1626	.35
.40	2602	2000	1879	1982	2061	2138	.40
.45	3040	2572	2466	2526	2693	2735	•45
•50	3014	3128	3070	3093	3287	3315	.50
• 55	2996	3233	3314	3515	3491	3480	•55
.60	2890	3071	3052	3091	2990	2990	.60
.65	2977	2976	2910	2920	2927	2930	.65
.70	2886	2912	2881	2898	2962	2977	.70
.75	1018	2928	2943	3023	3045	3029	.75
.80		2679	2642	2758	2664	2689	.80
.85		2510	2503	2450	2630	2675	.85
• 90		1264	2529	2478	2711	2710	.90

TEST 1514 BATCH 3 RUN 33 POINT 251

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 15.75 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1196	1113	1050	1583	1650	1448	0.00
.05	1496	1188	1128	1715	1766	1591	•05
.10	2395	1583	1490	2140	1907	1746	.10
.15	2230	2319	2261	2605	1797	1785	.15
.20	2331	2399	2351	2256	1717	1585	.20
. 25	1988	2445	2430	2168	1601	1762	•25
.30	2207	2220	1989	1888	1894	2100	.30
.35	2631	2155	2058	2137	2368	2558	.35
.40	3216	2625	2571	2626	2860	3030	.40
•45	3499	3101	3062	3100	3339	3458	• 45
.50	3460	3525	3501	3517	3741	3818	•50
•55	3462	3640	3734	3835	3931	3897	• 55
.60	3374	3526	3560	3616	3575	3551	•60
•65	3429	3469	3439	3421	3464	3492	•65
.70	3431	3434	3392	3374	3472	3511	.70
.75	1520	3467	3459	3468	3601	3638	.75
.80		3298	3327	3396	3355	3342	•80
.85		3032	3036	3050	3089	3103	.85
<b>.9</b> 0		<b></b> 1728	3050	3018	3137	3228	.90

TEST 1514 BATCH 3 RUN 34 POINT 252

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = -8.03

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1294	1267	1280	1817	<b></b> 1450	1303	0.00
.05	1401	0877	0971	1903	1411	1304	.05
.10	0833	0477	0550	1798	1194	1187	.10
•15	1324	0882	0651	<b></b> 1510	1130	1158	.15
.20	1746	2586	2455	1376	1106	1059	.20
.25	1118	2588	2474	1337	0952	0894	•25
.30	3256	2243	2036	1318	0932	0915	.30
.35	1080	3023	3124	1180	1013	1004	.35
•40	3237	3206	3421	1244	1095	1079	.40
•45	1355	3058	3203	1330	1199	1170	•45
•50	3074	2925	2990	1427	1331	1327	.50
• 55	1834	2880	2914	1590	1510	1547	•55
•60	2876	2772	2843	1832	1781	1841	.60
.65	2514	2844	2829	2148	2119	2201	.65
.70	2956	3116	3111	2393	2413	2553	.70
.75	1986	3157	3190	2370	2363	2495	•75
.80		3104	3203	2351	2391	2446	.80
.85		3036	3120	2444	2485	2525	.85
• 90		2174	3081	2505	2503	<b></b> 25 <b>9</b> 0	•90

TEST 1514 BATCH 3 RUN 34 POINT 253

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.74 BETA = -4.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0903	0896	0899	1380	1152	1052	0.00
• 05	1100	0729	0778	1479	1222	1111	.05
.10	1168	0691	0710	1553	1205	1086	.10
•15	1164	1115	0986	1477	1127	1033	.15
.20	1340	1864	1632	1295	1054	0940	.20
• 25	1083	1879	1635	1241	1053	0983	•25
.30	2445	1711	1427	1272	1064	1048	.30
• 35	1307	2384	2286	1316	1144	1172	.35
•40	3291	3056	3131	1426	1295	1352	.40
• 45	1925	3216	3526	1643	1563	1603	.45
• 50	3134	3082	3319	1960	1935	1996	.50
• 55	2754	3031	3207	2391	2415	2485	•55
•60	3036	3042	3178	2874	2935	2997	.60
•65	2750	3022	3155	3120	3240	3283	.65
.70	2731	2795	2838	2640	2692	2700	.70
• 75	2166	2826	2751	2619	2659	2692	.75
.80		2823	2783	2708	2747	2818	.80
<b>.</b> 85		2758	2754	2721	2719	2743	.85
<b>.</b> 90		2251	2730	2316	2405	2423	.90

TEST 1514 BATCH 3 RUN 34 POINT 254

Q = 457.02 HO = 1115.1 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = -1.98

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0836	0815	0830	1298	1119	1028	0.00
.05	0988	0744	0792	1374	1144	1102	.05
.10	1211	0795	0827	1470	1149	1168	.10
.15	1181	1120	1088	1473	1103	1073	•15
.20	1181	1482	1356	1275	1032	0993	.20
•25	1128	1467	1319	1213	1074	1066	.25
.30	1932	1431	1261	1296	1135	1167	.30
.35	1539	1935	1780	1399	1292	1351	.35
•40	3178	2547	2475	1632	1573	1660	.40
.45	2462	3137	3149	2013	2005	2067	•45
.50	3050	3250	3375	2499	2567	2611	.50
• 55	3035	3126	3173	3015	3131	3152	•55
.60	2980	3072	3070	3413	3461	3517	.60
.65	2863	3059	3065	2952	2913	2947	•65
.70	2610	3005	3043	2757	2800	2829	.70
.75	2287	2754	2774	2771	2854	2876	.75
.80		2648	2619	2909	2933	2958	.80
.85		2635	2657	2557	2565	2597	.85
.90		2285	2634	2359	2532	2507	.90

TEST 1514 BATCH 3 RUN 34 POINT 255

Q = 456.82 HO = 1114.6 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 11.73 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0844	0826	0825	1289	1074	1049	0.00
.05	0838	0859	0873	1320	1043	1065	.05
.10	1149	0985	0980	1384	1136	1215	.10
.15	1314	1168	1144	1571	1146	1096	•15
.20	1031	1224	1164	1375	1068	1054	.20
.25	1314	1117	1058	1207	1215	1252	•25
.30	1280	1150	1063	1473	1527	1609	.30
.35	2467	1316	1224	1942	2102	2202	.35
.40	2036	1603	1500	2576	2781	2875	.40
.45	3193	2028	1914	3203	3399	3443	.45
•50	2958	2557	2456	3630	3511	3484	•50
•55	3063	3052	2999	3256	3089	3076	•55
.60	2808	3118	3247	3085	3056	3037	.60
•65	3037	2936	2958	3024	3078	3041	.65
.70	2815	2815	2771	3078	3100	3068	.70
•75	2354	2835	2807	2857	2730	2749	.75
.80		2839	2849	2570	2731	2777	.80
.85		2520	2495	2587	2791	2805	.85
.90		2281	2405	2582	2775	2779	.90

TEST 1514 BATCH 3 RUN 34 POINT 256

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = 4.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0927	0920	0895	1353	1086	1058	0.00
• 05	0749	0980	0970	1309	1019	1056	.05
.10	1162	1101	1081	1308	1188	1266	.10
.15	1477	1207	1187	1603	1198	1120	.15
.20	1058	1200	1174	1600	1125	1146	.20
.25	1554	1118	1078	1279	1470	1551	.25
.30	1163	1116	1060	1708	2095	2198	.30
.35	3039	1204	1141	2489	2878	2966	.35
.40	1620	1378	1295	3211	3518	3567	.40
•45	3147	1642	1535	3692	3546	3475	.45
.50	2454	2016	1908	3397	3180	3131	•50
.55	3124	2459	2370	3202	3135	3047	.55
.60	2735	2887	2872	3136	3154	3067	.60
.65	2775	2889	3003	3145	3222	<b></b> 3152	.65
.70	2722	2706	2690	2925	2800	2749	.70
.75	2421	2712	2674	2724	2827	<b></b> 2897	.75
.80		2813	2755	2735	2876	2900	.80
.85		2673	2661	2700	2870	2868	.85
.90		2258	2328	2675	2856	2875	<b>.9</b> 0

TEST 1514 BATCH 3 RUN 34 POINT 257

Q = 456.94 HO = 1114.9 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = 7.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1305	1259	1219	1709	1391	1267	0.00
.05	0733	1290	1295	1478	1123	1018	.05
.10	1289	1281	1301	1202	1274	1519	.10
.15	2125	1241	1247	1590	1734	1525	.15
.20	1206	1247	1208	2171	1554	1696	.20
.25	2160	1167	1150	1706	2547	<b></b> 2761	.25
.30	1083	1080	1049	2415	3391	3493	.30
.35	3328	1028	1012	3375	3834	3832	.35
•40	1278	1092	1080	3842	3759	3657	.40
•45	3146	1221	1196	3713	3471	3420	.45
•50	1679	1387	1352	3413	3249	3166	•50
•55	3013	1627	1567	<b></b> 3177	3090	3024	.55
.60	2416	1934	1871	3060	3041	2982	.60
.65	<b></b> 2 <b>9</b> 85	2290	2219	2960	2970	2884	•65
.70	2515	2468	2439	2910	3033	3040	.70
.75	2505	2446	2413	2938	3031	3060	.75
.80		2469	2418	2940	3030	3068	.80
.85		2527	2533	2900	3075	3085	.85
.90		2236	2472	2880	3075	3102	.90

TEST 1514 BATCH 3 RUN 36 POINT 265

Q = 227.38 HO = 554.8 PINF = 112.4 R/FT = .997

MACH= 1.700 ALPHA= 11.71 BETA = -7.98

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1097	1116	1177	1582	1219	1135	0.00
.05	1187	0768	0949	1562	1178	1115	•05
.10	0676	0366	0561	1517	1126	1075	.10
.15	1163	0612	0374	1461	1050	1078	.15
.20	1728	2106	1889	1301	1053	1024	.20
.25	1057	2015	1760	1318	0895	0846	.25
.30	2946	1945	1807	1240	0864	0848	.30
•35	0997	2711	2884	1109	0921	0924	.35
.40	2753	2967	3237	1161	0991	1000	.40
.45	1216	2853	3084	1233	1071	1080	•45
.50	2591	<b></b> 2755	2934	1316	1178	1205	•50
.55	1626	2678	2783	1461	1355	1390	•55
.60	2566	2645	2644	1678	1614	1662	.60
.65	2360	2712	2535	2000	1988	2041	.65
.70	2603	2820	2794	2330	2381	2455	.70
.75	1428	2791	2808	2308	2337	2417	.75
.80		2746	2771	2277	2337	2367	.80
.85		2639	2730	2352	2409	2442	.85
.90		.0192	2681	2354	2363	2431	•90

TEST 1514 BATCH 3 RUN 36 POINT 266

Q = 226.97 HO = 553.8 PINF = 112.2 R/FT = .995

MACH= 1.700 ALPHA= 11.71 BETA = -3.99

X/L=.8 $X/L=.9$ ETA	X/L=.6 X/	x/L=.3	X/L=.	X/L=.1	ETA
.11080984 0.00	12941	0824	0820	0851	0.00
.11581003 .05	13661	0734	0673	1024	.05
.11550997 .10	13801	0645	0604	0960	.10
.10530949 .15	12901	0780	0843	1083	.15
.10020886 .20	11781	1323	1543	1173	.20
.10020910 .25	11421	1239	1462	1019	.25
.10040944 .30	11471	1291	1543	2247	.30
·.10731035 .35	11681	-,2100	2204	1188	.35
.11891177 .40	12401	-,2911	2847	2874	.40
13961403 .45	14151	3199	2979	1689	.45
.17391785 .50	17201	3047	2873	2769	.50
·.22122293 .55	21672	2964	2835	2499	
2751 <b></b> 2838 .60	26762	2910	-,2813	2541	
30703000 .65	28533	2821	2724	2537	
26632554 .70	25352	2508	2592	2508	
2601 <b></b> 2539 .75	24792	2529			
2652 <b></b> 2673 .80	25582			72377	
25532539 .85	24542	2507			
22322268 .90	21282	2496	.0212		.90
22122293 .5 27512838 .6 30703000 .6 26632554 .7 26012539 .7 26522673 .8 25532539 .8	21672 26762 28533 25352 24792 25582 24542	2964 2910 2821 2508 2529 2536 2507	2835 2813 2724 2592 2586 2547 2502	2499 2541	.55 .60 .65 .70 .75 .80

TEST 1514 BATCH 3 RUN 36 POINT 267

Q = 226.89 HO = 553.6 PINF = 112.2 R/FT = .995

MACH= 1.700 ALPHA= 11.71 BETA = -2.02

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0780	0752	0758	1229	1038	0970	0.00
.05	0910	0681	0728	1293	1052	1006	.05
.10	0996	0706	<del>-</del> .0735	1342	1057	1058	.10
.15	1060	0922	0901	1293	0990	0993	.15
.20	1042	1264	1138	1202	0955	0955	.20
.25	1020	1214	1089	1162	0991	0998	.25
.30	1709	1277	1097	1198	1038	1060	.30
.35	1342	1741	1571	1266	1161	1206	.35
.40	2884	2345	2262	1431	1364	1436	.40
.45	2196	2913	2939	1762	1737	1815	.45
•50	2761	2973	3018	2242	2282	2350	.50
•55	2794	2875	2913	2789	2903	2938	• 55
.60	2680	2837	2867	3161	3220	3306	.60
.65	2610	2815	2857	2887	2850	2896	.65
.70	2426	2719	2739	2639	2665	2687	.70
•75	1832	2493	2460	2608	2700	2705	.75
.80		2431	2440	2681	2702	2729	.80
.85		2403	2450	2308	2387	2403	.85
•90		.0092	2432	2193	2374	2342	.90

TEST 1514 BATCH 3 RUN 36 POINT 269

Q = 230.05 HO = 561.3 PINF = 113.7 R/FT = 1.008

MACH= 1.700 ALPHA= 11.71 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0756	0746	0748	1224	0977	0953	0.00
.05	0695	0729	0753	1196	0901	0904	.05
.10	0944	0818	0818	1221	0934	0942	.10
.15	1063	0941	0925	1240	0937	0925	.15
.20	0875	0995	0962	1161	0873	0891	.20
.25	1122	0937	0898	1014	0977	1014	.25
.30	1067	0951	0898	1224	1236	1299	.30
.35	2183	1098	1020	1636	1761	1858	•35
.40	1775	1351	1253	2270	2483	2575	.40
.45	2878	1765	1645	2963	<b></b> 3178	3230	•45
•50	2683	2309	2196	3320	3256	3250	.50
• 55	2747	2802	2773	3096	2955	2920	•55
•60	2571	2844	2891	2931	2844	2800	.60
•65	2693	2731	2738	2812	2825	2787	.65
.70	<b></b> 2545	2681	2654	2811	2779	2739	.70
<b>.</b> 75	1952	2698	2675	2564	2553	2571	.75
.80		2658	2611	2389	2590	2621	.80
.85		2336	2291	2408	2615	2616	.85
•90		0100	2277	2396	2604	2615	.90

TEST 1514 BATCH 3 RUN 36 POINT 270

Q = 231.48 HO = 564.8 PINF = 114.4 R/FT = 1.015

MACH= 1.700 ALPHA= 11.71 BETA = 4.01

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0791	0810	0784	1263	1003	0967	0.00
. 05	0613	0826	0828	1191	0903	0883	.05
.10	0973	0920	0910	1146	0964	0974	.10
.15	1280	0995	0982	1272	0988	0939	.15
.20	0906	0996	0981	1301	0926	0959	.20
.25	1453	0937	0915	1005	1187	1270	.25
.30	0983	0931	0911	1445	1767	1874	.30
.35	2711	1006	0978	2252	2588	2696	.35
•40	1395	1152	1114	3026	3280	3338	.40
.45	2722	1392	1326	3398	3363	3328	•45
•50	2221	1762	<b></b> 1675	3209	3084	2999	.50
• 55	2743	2227	2144	3044	2908	2817	.55
.60	2558	2662	2651	2913	2862	2780	.60
•65	2552	2695	2752	2859	2850	2749	•65
.70	2511	2586	2592	2640	2620	2628	.70
.75	2047	2610	2611	2538	2692	2721	.75
.80		2659	2653	2555	2719	2730	.80
.85		2472	2489	2536	2720	2730	.85
.90		0152	2203	2516	2714	2742	.90

TEST 1514 BATCH 3 RUN 36 POINT 271

Q = 231.48 HO = 564.8 PINF = 114.4 R/FT = 1.015

MACH= 1.700 ALPHA= 11.71 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1123	1144	1117	1530	1227	1115	0.00
•05	0569	1129	1144	1355	0974	0870	.05
.10	1094	1111	1115	1044	0984	1169	.10
.15	2127	1082	1082	1302	1482	1268	.15
.20	1070	1092	1085	1952	1324	1542	.20
.25	2213	1027	1013	1559	2439	2628	.25
•30	0925	0938	0923	2344	3209	3235	.30
•35	2548	0896	0885	3223	3400	3355	.35
.40	1084	0940	0925	3222	- :3188	3220	.40
.45	2582	1038	1017	3000	2908	2936	.45
•50	1432	1182	1158	2841	2786	2772	.50
• 55	2585	1393	1357	2756	2763	2727	.55
•60	2210	1693	1659	2629	2722	2660	.60
. 65	2664	2083	2034	2613	2762	2678	.65
.70	2330	2358	2362	2845	2912	2863	.70
• 75	2125	2337	2351	2839	2931	2912	.75
.80		2380	2374	2907	2979	3007	.80
• 85		2393	2450	2867	3025	3043	.85
• <b>9</b> 0		0141	2336	2827	3010	3034	.90

TEST 1514 BATCH 3 RUN 35 POINT 258

Q = 231.56 HO = 565.0 PINF = 114.5 R/FT = 1.015

MACH= 1.700 ALPHA= -.27 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0326	.0312	.0313	0126	.0092	.0111	0.00
.05	.0339	.0373	.0343	0165	.0124	.0137	.05
.10	.0349	.0364	.0349	0156	.0122	.0086	.10
.15	.0355	.0369	.0345	0101	.0132	.0116	.15
.20	.0371	.0349	.0342	0089	.0132	.0123	.20
.25	.0370	.0365	.0354	0094	.0121	.0129	.25
.30	.0295	.0347	.0346	0098	.0117	.0139	.30
.35	.0331	.0327	.0331	0078	.0103	.0131	•35
.40	.0246	.0301	.0317	0053	.0093	.0114	.40
.45	.0246	.0275	.0298	0026	.0078	.0094	.45
.50	.0199	.0250	.0272	.0000	.0060	.0067	•50
.55	.0173	.0192	.0238	.0032	.0025	.0043	• 55
.60	.0148	.0116	.0126	.0058	0019	.0002	.60
.65	.0180	.0046	.0065	.0038	0101	0072	•65
.70	.0279	.0076	.0074	0009	0236	0201	.70
.75	.0597	.0201	.0217	.0161	.0016	.0038	.75
.80		.0251	.0261	.0220	.0112	.0118	.80
.85		.0360	.0306	.0272	.0165	.0175	.85
.90		.0953	.0417	.0297	.0191	.0231	.90

TEST 1514 BATCH 3 RUN 35 POINT 259

Q = 230.25 HO = 561.8 PINF = 113.8 R/FT = 1.009

MACH= 1.700 ALPHA= 3.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0009	.0004	.0016	0368	0161	0164	0.00
.05	.0021	.0042	.0037	0411	0143	0146	.05
.10	.0023	.0032	.0037	0416	0172	0206	.10
.15	0006	.0039	.0046	0386	0213	0180	.15
.20	.0032	.0023	.0050	0420	0216	0176	.20
.25	0023	.0007	.0020	0434	0261	0210	.25
.30	0129	0030	0008	0462	0290	0235	.30
.35	0162	0044	0039	0463	0325	0290	.35
.40	0128	0074	0077	0449	0359	0318	.40
.45	0217	0117	0124	0442	0391	0350	.45
.50	0185	0166	0177	0439	0427	0399	•50
.55	0279	0220	0239	0432	0466	0453	.55
.60	0302	0322	0315	0439	0532	0522	.60
.65	0309	0420	0428	0484	0629	0621	.65
.70	0842	0380	0475	0538	0774	0747	.70
•75	.0333	0352	0386	0407	0588	0591	.75
.80		0909	0561	0544	0725	0697	.80
.85		0943	0983	0876	1023	0890	.85
.90		.0761	1133	1233	1193	1155	.90

TEST 1514 BATCH 3 RUN 35 POINT 260

Q = 229.84 HO = 560.8 PINF = 113.6 R/FT = 1.008

MACH= 1.700 ALPHA= 7.73 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0337	0314	0319	0708	0502	0476	0.00
.05	0342	0268	0307	0751	0485	0455	.05
.10	0330	0272	0309	0753	0496	0503	.10
.15	0384	0272	0318	0704	0516	0487	.15
.20	0333	0311	0337	0709	0516	0483	.20
.25	0381	0286	0323	0709	0531	0483	.25
.30	0388	0305	0334	0706	0520	0470	.30
.35	0492	0329	0347	0635	0515	0489	.35
.40	0968	0431	0396	0600	0520	0527	.40
.45	1417	0798	0619	0706	0695	0724	• 45
.50	2030	1486	1290	1227	1377	1442	.50
• 55	2076	2009	2014	1997	2204	2246	•55
.60	1865	2140	2243	2411	2495	2502	.60
.65	1921	2082	2141	2408	2368	2346	.65
.70	1838	2042	2052	2132	2094	2052	.70
.75	0049	2005	2029	2100	2079	2041	.75
.80		1853	1818	1960	1960	1970	.80
.85		1707	1825	1819	1977	1974	.85
.90		.0529	1741	1829	2014	1990	.90

TEST 1514 BATCH 3 RUN 35 POINT 262

Q = 228.00 HO = 556.3 PINF = 112.7 R/FT = .999

MACH= 1.700 ALPHA= 11.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0688	0626	0666	1113	0913	0873	0.00
• 05	0763	0610	0672	1175	0922	0906	.05
.10	0937	0682	0724	1244	0955	0977	.10
.15	1016	0872	0881	1262	0937	0932	.15
.20	0964	1052	1010	1173	0904	0910	.20
•25	1021	1008	0969	1130	0959	<b>09</b> 81	.25
.30	1361	1070	0998	1221	1067	1103	.30
•35	1642	1371	1252	1390	1320	1390	.35
.40	2398	1834	1687	1736	1763	1847	.40
.45	2725	2411	2280	2267	2400	2450	.45
•50	2777	2927	2895	2857	3060	3082	.50
• 55	2786	2947	2973	3263	3279	3316	• 55
.60	2602	2862	2865	3040	2953	2960	.60
•65	2669	2831	2817	2856	2825	2823	.65
.70	2557	2805	2800	2763	2820	2822	.70
•75	0494	2789	2736	2834	2826	2833	.75
.80		2537	2445	2557	2573	2600	.80
.85		2323	2447	2368	<b></b> 2577	2581	.85
•90		.0384	2377	2398	2610	2585	•90

TEST 1514 BATCH 3 RUN 35 POINT 263

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 15.76 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1018	0929	0917	1444	1401	1244	0.00
.05	1252	0970	0975	1559	1490	1381	.05
.10	2026	1289	1248	1860	1601	1526	.10
.15	1873	1921	1865	2027	1583	1567	.15
.20	1942	2067	1994	1988	1500	1413	.20
.25	1726	2079	2038	1917	1444	1576	.25
.30	2069	1884	1731	1676	1731	1867	.30
.35	2428	2079	1941	2062	2172	2309	• 35
.40	3036	2530	2461	2493	2674	2788	.40
.45	3301	3018	2983	2958	3168	3253	•45
.50	3248	3409	3421	3393	3592	3646	•50
•55	3256	3396	3434	3623	3679	3658	.55
.60	3085	3335	3364	3461	3482	3452	.60
.65	3165	3310	3320	3343	3377	3367	•65
.70	3106	3288	3313	3273	3354	3385	.70
.75	0955	3300	3328	3317	3432	3448	.75
.80		3101	3094	3187	3175	3169	.80
.85		2801	2941	2905	2988	3031	.85
.90		.0132	2872	2900	3042	3119	.90

TEST 1514 BATCH 3 RUN 35 POINT 264

Q = 226.93 HO = 553.7 PINF = 112.2 R/FT = .995

MACH= 1.700 ALPHA= 5.73 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0190	0184	0179	0545	0369	0361	0.00
.05	0212	0166	0195	0605	0374	0370	.05
.10	0206	0181	0206	0632	0415	0411	.10
.15	0270	0181	0216	0619	0443	0387	.15
.20	0221	0221	0218	0650	0452	0397	.20
.25	0324	0210	0216	0656	0466	0414	.25
.30	0285	0233	0226	0654	0465	0424	.30
.35	0354	0248	0235	0602	0472	0446	.35
.40	0419	0273	0280	0543	0481	0457	.40
•45	0318	0385	0389	0487	0490	0448	•45
•50	0645	0609	0574	0486	0555	0504	.50
.55	0400	0749	0756	0675	0752	0719	•55
.60	1434	0802	0885	0906	0964	1012	.60
.65	1790	0915	0982	1055	1171	1257	•65
.70	1534	1278	1310	1448	1650	1583	.70
•7·5	1105	1549	1542	1627	1807	1647	.75
.80		1622	1650	1744	<b></b> 1785	1720	.80
.85		1609	1535	1663	1695	1715	.85
.90		.0171	1505	1579	1665	1663	.90

TEST 1514 BATCH 6 RUN 54 POINT 454

Q = 451.00 HO = 1051.2 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= -.44 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L≃.8	X/L=.9	ETA
0.00	.0310	.0273	.0242	0314	.0060	.0166	0.00
•05	.0310	.0324	.0256	0384	.0097	.0155	.05
.10	.0289	.0296	.0238	0376	.0103	.0050	.10
•15	.0212	.0292	.0217	0338	.0085	.0107	•15
.20	.0353	.0233	.0193	0342	.0103	.0126	.20
•25	.0287	.0271	.0220	0330	.0069	.0117	•25
.30	.0317	.0251	.0204	0333	.0071	.0119	.30
•35	.0275	.0234	.0208	0317	•0065	.0109	•35
•40	.0348	.0224	.0207	0280	.0067	.0094	.40
• 45	.0222	.0201	.0198	0249	•0050	.0092	•45
•50	.0254	.0190	.0188	<b></b> 020 <b>9</b>	.0029	.0076	•50
•55	.0165	.0162	.0168	0193	.0002	.0061	•55
.60	•0047	.0117	.0135	0171	0043	.0028	•60
•65	.0129	.0036	.0076	0178	0118	0047	•65
•70	•0205	.0051	.0051	0200	0241	0175	.70
•75	.7028	.0202	.0230	•0065	.0039	.0131	.75
.80		.0299	.0312	.0190	.0155	.0249	.80
•85		.0350	.0387	.0268	.0245	.0327	•85
•90		0049	.0431	.0293	.0307	.0397	•90

TEST 1514 BATCH 6 RUN 54 POINT 460

Q = 451.04 HO = 1051.3 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 1.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0130	.0071	.0091	0447	0095	0013	0.00
•05	.0120	.0111	.0098	0515	0062	0020	.05
.10	.0124	.0099	.0091	0502	0051	0126	.10
.15	.0024	•0094	.0069	0479	0115	0079	.15
.20	.0171	.0033	.0050	0496	0095	0052	.20
.25	.0070	.0060	.0055	0486	0147	0074	.25
•30	.0079	.0018	.0020	0507	0150	0079	.30
•35	.0022	0015	.0008	0503	0173	0103	.35
.40	.0004	0035	0008	0478	0190	0122	.40
.45	0047	0056	0015	0447	0201	0110	• 45
•50	0002	0053	0020	0412	0209	0123	•50
•55	0080	0070	0039	0386	0225	0147	•55
•60	0266	0120	0084	0373	0281	0208	•60
•65	0187	0223	0172	0391	0382	0306	•65
.70	0130	0254	0258	0465	0597	0505	.70
•75	.3862	0090	0066	0165	0273	0169	.75
•80		0010	0012	0074	0179	0091	.80
•85		.0028	.0022	0039	0130	0048	•85
• 90		0596	.0059	0084	0133	0034	•90

TEST 1514 BATCH 6 RUN 54 POINT 459

Q = 450.96 HO = 1051.1 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 2.55 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0006	0053	0015	0559	0188	0128	0.00
• 05	0026	0023	0020	0634	0167	0144	.05
.10	0029	0048	0037	0633	0195	0263	.10
•15	0115	0041	0057	0592	0259	0213	.15
.20	.0032	0078	0060	0581	0203	0148	.20
.25	0036	0020	0021	0538	0242	0159	.25
.30	0012	0046	0055	0578	0237	0152	.30
. 35	0049	0062	0054	0548	0242	0143	•35
.40	0052	0083	0063	0516	0251	0154	•40
• 45	0096	0105	0085	0492	0265	0152	•45
•50	0065	0104	0102	0475	0276	0180	•50
• 55	0156	0116	0134	0461	0313	0229	•55
•60	0354	0192	0197	0453	0385	0303	.60
•65	0315	0295	0295	0493	0510	0426	•65
.70	0258	0340	0392	0593	0751	0635	.70
•75	.4181	0213	0262	0317	0424	0389	•75
.80		0160	0229	0240	0442	0330	.80
<b>.</b> 85		0212	0299	0351	<del>-</del> .0555	0348	•85
• <b>9</b> 0		0791	0433	0802	0610	0567	•90

TEST 1514 BATCH 6 RUN 54 POINT 455

Q = 451.09 HO = 1051.4 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 3.57 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0094	0148	0080	0625	0212	0181	0.00
• 05	0094	0093	0064	0669	0195	0168	•05
.10	0061	0098	0068	0648	0235	0279	.10
.15	0147	0078	0079	0600	0296	0227	•15
.20	0007	0116	0091	0586	0248	0184	.20
.25	0141	0075	0069	0563	0334	0239	.25
.30	0085	0121	0136	0660	0343	0242	.30
.35	0179	0167	0190	0645	0364	0245	•35
•40	0162	0212	0204	0625	0375	0269	.40
• 45	0251	0258	0225	0630	0403	0292	.45
•50	0211	0267	0255	0623	0429	0338	.50
• 55	0367	0256	0281	0586	0456	0379	•55
•60	0469	0305	0321	0548	0498	0421	.60
• 65	0441	0376	0396	0549	0575	0518	.65
.70	0625	0354	0411	0518	0648	0615	.70
•75	.6351	0331	0424	0318	0716	0609	•75
.80		0671	0799	0951	1160	0842	.80
•85		1144	1208	1463	1270	1184	.85
• <b>9</b> 0		0236	1252	1497	1315	1325	•90

TEST 1514 BATCH 6 RUN 54 POINT 456

Q = 450.92 HO = 1051.0 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 4.58 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0163	0230	0159	0649	0296	0245	0.00
.05	0154	0170	0135	0702	0278	0229	•05
.10	0128	0169	0137	0686	0319	0352	.10
.15	0222	0145	0149	0628	0379	0300	.15
•20	0092	0155	0149	0614	0344	0270	.20
.25	0213	0106	0123	0598	0379	0279	•25
.30	0142	0141	0174	0644	0379	0277	.30
•35	0245	0185	0223	0655	0413	0284	•35
.40	0241	0258	0232	0645	0426	0314	.40
•45	0299	0312	0243	0644	0453	0343	• 45
•50	0317	0324	0271	0630	0481	0399	•50
• 55	0481	0342	0310	0587	0504	0421	•55
.60	0640	0403	0377	0538	0532	0466	.60
•65	0729	0501	0465	0479	0576	0599	•65
.70	1521	0731	0729	0508	0869	0833	.70
.75	.5691	1291	1406	1441	1654	1362	•75
.80	•	1762	1829	2083	1924	1796	.80
.85		1795	1820	2062	1907	1869	•85
• 90		0439	1668	1872	1821	1845	•90

TEST 1514 BATCH 6 RUN 54 POINT 457

Q = 450.87 HO = 1050.9 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 5.56 BETA = 0.00

ĒΤΑ	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0219	0272	0239	0657	0391	0309	0.00
•05	0212	0223	0218	0726	0376	0300	.05
.10	0214	0233	0217	0723	0397	0403	.10
•15	0297	0222	0227	0683	0446	0375	.15
.20	0201	0242	0227	0702	0442	0367	.20
• 25	0316	0213	0207	0702	0479	0384	•25
.30	0270	0230	0221	0724	0472	0378	.30
• 35	0378	0243	0220	0715	0490	0385	.35
•40	0298	0260	0230	0685	0500	0403	.40
.45	0344	0256	0217	0622	0481	0371	.45
•50	0697	0260	0181	0532	0433	0350	•50
• 55	0518	0570	0297	0472	0427	0373	•55
•60	1378	1084	1048	0670	0885	0983	•60
•65	1659	1492	1618	1363	1625	1595	•65
•70	2124	2022	2172	2339	2319	2050	.70
• 75	•5147	2006	2021	2258	2126	2016	•75
.80		2013	2000	2247	2118	2098	.80
• 85		1874	1887	2131	2084	2074	.85
•90		0616	1812	2028	2043	2060	.90

TEST 1514 BATCH 6 RUN 54 POINT 458

Q = 451.09 HO = 1051.4 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 6.58 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0338	0360	0377	0770	0514	0428	0.00
• 05	0362	0350	0375	0837	0518	0434	•05
.10	0355	0392	0386	0849	0549	0545	.10
•15	0452	0396	0405	0839	0600	0515	•15
.20	0298	0413	0403	0845	0568	0485	.20
•25	0336	0360	0372	0825	0594	0492	•25
.30	0345	0359	0370	0822	0552	0468	.30
•35	0390	0358	0344	0756	0526	0464	•35
•40	0360	0340	0312	0665	0472	0444	.40
•45	0841	0350	0313	0594	0466	0418	•45
•50	1395	0581	0480	0733	0756	0749	•50
•55	2045	1409	1213	1514	1689	1718	•55
•60	2376	2199	2199	2344	2486	2466	•60
•65	2299	2475	2514	2593	2582	2490	.65
.70	2418	2407	2368	2411	2222	2172	.70
.75	.4541	2326	2299	2363	2220	2159	•75
.80		2109	2098	2267	2066	2081	•80
•85		1959	1963	2032	2086	2094	.85
•90		0794	1939	2048	2127	2135	•90

TEST 1514 BATCH 6 RUN 55 POINT 461

Q = 454.89 HO = 1109.9 PINF = 224.9 R/FT = 1.994

MACH= 1.700 ALPHA= -.28 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0314	°.0261	.0249	0228	.0039	.0063	0.00
.05	.0289	.0284	.0246	0301	.0040	.0057	•05
•10	.0259	.0265	.0239	0288	.0028	0023	.10
•15	.0219	•0255	.0221	0250	.0008	.0011	•15
•20	.0317	.0217	.0214	0228	.0034	.0034	.20
•25	.0294	.0254	.0237	0216	.0015	.0030	.25
•30	.0281	.0248	.0229	0211	.0024	.0049	.30
•35	.0278	.0236	.0239	0185	.0019	.0053	.35
•40	.0241	.0228	.0235	0149	.0024	.0048	.40
•45	.0222	.0217	.0225	0119	.0016	.0048	• 45
•50	.0238	.0212	.0213	0080	.0007	.0027	•50
•55	.0169	.0203	.0200	0041	0004	.0023	•55
•60	•0058	.0168	.0169	.0003	0042	0002	•60
•65	.0143	.0096	.0107	.0005	0108	0063	.65
•70	.0210	.0106	.0063	0047	0243	0201	.70
•75	.4342	.0256	.0240	.0170	.0051	.0081	•75
.80		.0325	.0307	.0252	.0181	.0176	•80
•85		.0418	.0371	.0328	.0262	.0258	.85
•90		.0776	.0412	.0358	.0290	.0346	•90

TEST 1514 BATCH 6 RUN 55 POINT 462

Q = 456.82 HO = 1114.6 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 1.74 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0106	.0058	.0066	0381	0126	0105	0.00
• 05	.0120	.0114	.0093	0420	0097	0088	.05
.10	.0111	.0108	.0095	0405	0096	0168	.10
.15	.0081	.0115	.0087	0365	0123	0126	.15
.20	.0179	•0090	.0082	0366	0096	0093	.20
.25	.0141	.0118	.0097	0351	0129	0094	.25
•30	.0100	.0087	.0071	0377	0129	0091	.30
•35	.0087	•0067	.0069	0355	0146	0115	•35
•40	.0029	•0045	.0051	0333	0164	0152	.40
•45	0009	.0017	.0030	0315	0190	0171	•45
•50	0010	0003	.0003	0293	0217	0197	•50
•55	0084	0031	0031	0265	0249	0228	• 55
•60	0232	0078	0077	0250	0305	0280	.60
•65	0168	0185	0173	0280	0406	0373	•65
.70	0119	0204	0263	0377	0598	0572	.70
•75	.3970	0042	0069	0137	0259	0244	•75
.80		.0036	0007	0050	0163	0146	.80
.85		.0125	.0037	.0003	0121	0085	•85
•90		.0643	.0069	0015	0098	0044	•90

TEST 1514 BATCH 6 RUN 55 POINT 463

Q = 456.53 HO = 1113.9 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 2.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0023	0024	0014	0449	0191	0178	0.00
•05	.0001	0001	0017	0512	0191	0183	.05
.10	0004	0022	0024	0507	0203	0275	.10
.15	0050	0015	0025	0460	0238	0242	.15
.20	.0060	0028	0005	0464	0195	0178	.20
.25	.0014	.0016	.0026	0439	0244	0188	•25
.30	0008	0019	0012	0490	0242	0191	.30
•35	0033	0036	0016	0445	0249	0211	•35
•40	0048	0051	0027	0414	0254	0234	•40
.45	0069	0066	0048	0383	0267	0234	•45
•50	0061	0076	0074	0364	0289	0266	.50
•55	0149	0103	0115	0348	0331	0310	•55
•60	0326	0181	0182	0356	0406	0391	•60
•65	0271	0289	0289	0403	0527	0510	•65
.70	0242	0329	0392	0511	0721	0712	.70
•75	.3700	0199	0254	0299	0423	0412	•75
.80		0148	0221	0234	0358	0351	.80
•85		0099	0247	0248	0424	0371	•85
• 90		.0503	0402	0553	0587	0478	•90

TEST 1514 BATCH 6 RUN 55 POINT 464

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 3.74 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0035	0077	0062	0479	0216	0211	0.00
.05	0044	0037	0044	0529	0201	0195	•05
.10	0037	0056	0046	0529	0220	0284	.10
.15	0101	0070	0064	0511	0295	0265	.15
.20	0029	0100	0069	0523	0277	0229	.20
.25	0138	0083	0062	0513	0364	0297	.25
.30	0112	0129	0131	0620	0381	0325	.30
.35	0161	0171	0180	0571	0381	0336	.35
.40	0158	0203	0191	0524	0378	0352	.40
•45	0193	0225	0198	0489	0387	0352	•45
•50	0173	0222	0209	0460	0404	0370	•50
•55	0289	0227	0222	0416	0425	0405	•55
•60	0420	0285	0267	0407	0477	0461	.60
•65	0374	0363	0344	0438	0560	0550	•65
.70	0591	0354	0385	0452	0655	0651	.70
.75	.3410	0320	0372	0373	0521	0565	•75
.80		0531	0669	0752	0938	0850	.80
•85		0904	1109	1169	1255	1111	.85
.90		.0263	1268	1268	1236	1217	•90

TEST 1514 BATCH 6 RUN 55 POINT 465

Q = 456.73 HO = 1114.4 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 4.74 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0156	0187	0162	0563	0318	0326	0.00
.05	0150	0142	0144	0602	0289	0299	.05
.10	0125	0146	0142	0599	0322	0359	.10
.15	0183	0140	0144	0586	0363	0304	.15
.20	0076	0145	0134	0602	0334	0276	.20
•25	0165	0105	0101	0582	0381	0318	.25
.30	0135	0135	0141	0621	0374	0341	.30
.35	0232	0194	0211	0559	0402	0368	.35
.40	0248	0276	0260	0537	0416	0391	.40
•45	0236	0328	0272	0526	0445	0410	.45
•50	0352	0349	0299	0519	0487	0457	•50
•55	0454	0377	0338	0472	0516	0496	.55
•60	0611	0428	0401	0447	0547	0544	.60
•65	0682	0491	0463	0463	0586	0625	.65
.70	1386	0643	0671	0639	0742	0831	.70
.75	.3099	1039	1204	1301	1488	1343	.75
.80		1459	1608	1683	1794	1629	.80
.85		<b></b> 1578	1694	1693	1728	1697	.85
.90		.0061	1556	1602	1656	1676	•90

TEST 1514 BATCH 6 RUN 55 POINT 466

Q = 456.57 HO = 1114.0 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= 5.72 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0240	0253	0236	0629	0418	0405	0.00
• 05	0252	0232	0243	0689	0419	0405	•05
.10	0239	0243	0253	0703	0449	0466	.10
.15	0311	0232	0255	0691	0471	0397	.15
.20	0174	0231	0235	0684	0440	0364	.20
• 25	0292	0175	0193	0660	0448	0373	•25
.30	0180	0155	0182	0645	0415	0372	.30
.35	0372	0147	0164	0578	0410	0392	•35
•40	0289	0145	0148	0515	0405	0404	•40
.45	0301	0197	0147	0437	0395	0345	.45
•50	0902	0505	0292	0369	0383	0333	.50
• 55	0631	0967	0843	0549	0756	0799	•55
.60	1272	1208	1333	1211	1434	1489	•60
•65	1548	1339	1503	1587	1639	1693	.65
•70	1796	1633	1864	1978	1986	1860	•70
•75	.2784	1697	1796	1831	1932	1780	.75
.80		1764	1773	1813	1886	1828	.80
• 85		1643	1647	1732	1803	1812	•85
•90		0123	1558	1690	1788	1765	•90

TEST 1514 BATCH 6 RUN 55 POINT 467

Q = 456.65 HO = 1114.2 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 6.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0322	0330	0311	0728	0505	0480	0.00
.05	0320	0288	0294	0775	0485	0461	.05
.10	0315	0290	0293	0767	0495	0496	.10
.15	0365	0282	0308	0747	0542	0464	.15
.20	0245	0318	0323	0745	0528	0458	.20
.25	0278	0279	0305	0739	0564	0481	.25
.30	0294	0287	0315	0744	0537	0465	.30
.35	0403	0286	0308	0660	0519	0461	•35
•40	0535	0284	0296	0584	0478	0466	.40
.45	1176	0387	0324	0550	0520	0518	•45
•50	1736	0912	0658	0857	1010	1091	.50
•55	1851	1695	1556	1661	1902	1941	•55
.60	1973	2066	2171	2177	2270	2236	.60
•65	1952	2099	2227	2259	2187	2189	.65
.70	1948	2045	2036	2009	2007	1950	.70
.75	.2504	1957	1968	1965	1982	1909	.75
.80		1761	1751	1816	1866	1838	.80
.85		1688	1688	1717	1843	1863	.85
.90		0276	1673	1737	1870	1822	.90

TEST 1514 BATCH 6 RUN 57 POINT 471

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= -.39 BETA = 0.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0188	.0170	.0171	0217	0048	•0003	0.00
• 05	.0190	.0211	.0183	0244	0027	.0015	.05
.10	.0195	.0198	.0182	0229	0038	0051	.10
•15	.0186	.0199	.0170	0201	0061	0024	.15
• 20	.0237	.0181	.0166	0192	0050	0007	.20
•25	.0191	.0203	.0180	0194	0067	0009	•25
.30	.0191	.0189	.0167	0196	0061	0010	.30
.35	.0146	.0176	.0161	0159	0071	0025	•35
•40	.0114	.0167	.0153	0125	0083	0046	•40
• 45	.0108	.0152	.0141	0085	0100	0056	•45
•50	.0086	.0146	.0129	0033	0111	0072	•50
•55	.0063	.0136	.0116	.0009	0117	0072	•55
•60	0066	.0110	.0097	.0034	0131	0099	•60
•65	.0000	•0035	•0040	.0018	0182	0178	•65
•70	.0033	.0043	0004	0042	0289	0305	.70
•75	.1587	.0188	.0172	.0146	0006	0024	•75
.80		.0252	.0259	.0219	.0113	•0074	.80
.85		.0331	.0308	.0272	.0198	.0144	.85
•90		.0821	.0362	.0304	.0271	.0228	•90

TEST 1514 BATCH 6 RUN 57 POINT 472

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 1.60 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0006	.0006	.0013	0372	0204	0166	0.00
• 05	.0023	.0051	.0033	0393	0177	0154	•05
.10	.0011	.0040	.0035	0381	0179	0211	.10
.15	0003	.0045	.0027	0350	0201	0190	•15
.20	.0066	.0029	.0026	0349	0194	0176	.20
• 25	.0037	.0047	.0033	0345	0220	0181	•25
•30	0006	.0012	0001	0346	0227	0184	.30
• 35	0074	0011	0008	0306	0249	0201	•35
<b>.</b> 40	0156	0026	0025	0283	0266	0223	.40
• 45	0155	0043	0044	0255	0289	0237	•45
• 50	0204	0071	0070	0224	0314	0267	•50
• 55	0198	0094	0095	0204	0335	0299	•55
•60	0294	0140	0142	0201	0378	0366	.60
•65	0294	0244	0240	0256	0478	0485	•65
.70	0230	0258	0310	0358	0638	0651	.70
• 75	•1491	0094	0116	0140	0299	0339	•75
. 80		0028	0031	0069	0170	0231	.80
. 85		•0050	.0026	0015	0087	0156	•85
• 90		.0818	.0085	0000	0022	0077	•90

TEST 1514 BATCH 6 RUN 57 POINT 473

Q = 448.78 HO = 1254.1 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 2.62 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0056	0081	0076	0449	0275	0255	0.00
.05	0053	0046	0067	0480	0257	0253	•05
.10	0063	0060	0064	0477	0260	0302	.10
.15	0082	0053	0062	0446	0271	0273	.15
.20	0002	0067	0052	0431	0251	0249	.20
.25	0034	0049	0040	0420	0303	0280	.25
<b>.</b> 30	0114	0092	0084	0435	0327	0290	.30
•35	0189	0103	0087	0400	0342	0292	•35
•40	0136	0108	0097	0373	0354	0309	•40
.45	0173	0126	0122	0347	0377	0324	•45
•50	0176	0148	0148	0320	0399	0354	•50
•55	0256	0186	0183	0308	0430	0408	•55
•60	0356	0250	0237	0318	0490	0491	•60
.65	0326	0361	0335	0372	0603	0624	•65
.70	0388	0379	0411	0472	0763	0784	.70
•75	.1397	0219	0255	0292	0444	0498	•75
.80		0151	0192	0230	0327	0392	.80
.85		0165	0192	0194	0274	0339	.85
•90		.0821	0335	0285	0292	0335	.90

TEST 1514 BATCH 6 RUN 57 POINT 474

Q = 448.78 HO = 1254.1 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 3.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0105	0139	0120	0491	0314	0306	0.00
• 05	0105	0106	0113	0524	0295	0307	.05
.10	0093	0123	0114	0527	0301	0355	.10
•15	0138	0124	0122	0509	0315	0326	•15
.20	0074	0142	0118	0508	0297	0307	.20
• 25	0156	0140	0118	0503	0365	0357	•25
•30	0159	0188	0175	0511	0433	0409	.30
.35	0238	0206	0193	0515	0465	0409	• 35
•40	0186	0216	0204	0492	0460	0415	.40
.45	0241	0231	0229	0448	0474	0426	•45
•50	0231	0249	0251	0414	0493	0457	•50
• 55	0346	0262	0275	0383	0516	0502	•55
•60	0444	0326	0317	0391	0569	0563	•60
•65	0339	0411	0389	0431	0657	0676	•65
.70	0995	0413	0449	0489	0775	0820	.70
• 75	.1287	0335	0351	0354	0483	0572	.75
.80		0570	0472	0501	0585	0633	.80
•85		0952	0801	0791	0840	0822	•85
•90		.0819	1058	1076	0998	0918	•90

TEST 1514 BATCH 6 RUN 57 POINT 476

Q = 448.75 HO = 1254.0 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 4.59 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0171	0196	0179	0553	0369	0364	0.00
.05	0172	0160	0171	0580	0349	0367	.05
.10	0161	0176	0174	0589	0358	0415	.10
.15	0212	0176	0180	0585	0370	0387	.15
.20	0158	0186	0169	0587	0359	0375	.20
.25	0233	0175	0155	0579	0419	0415	.25
.30	0195	0196	0191	0563	0477	0473	.30
•35	0270	0264	0289	0555	0547	0483	.35
.40	0422	0381	0371	0564	0518	0466	.40
•45	0270	0417	0359	0522	0518	0483	•45
•50	0495	0398	0357	0474	0557	0533	•50
•55	0536	0397	0382	0430	0590	0574	•55
•60	0737	0435	0422	0442	0641	0629	•60
•65	0777	0499	0467	0497	0691	0718	•65
•70	1299	0616	0582	0607	0749	0828	.70
•75	.1143	0896	0862	0974	1082	1080	•75
.80		1278	1198	1284	1366	1334	.80
.85		1325	1382	1402	1415	1405	.85
.90		.0821	1311	1413	1408	1386	•90

TEST 1514 BATCH 6 RUN 57 POINT 477

Q = 448.75 HO = 1254.0 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 5.61 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0264	0268	0257	0638	0445	0443	0.00
.05	0269	0235	0249	0671	0427	0442	•05
.10	0249	0249	0248	0677	0433	0486	.10
.15	0316	0247	0254	0664	0446	0468	.15
.20	0237	0250	0237	0647	0437	0457	.20
.25	0346	0228	0216	0643	0466	0466	.25
.30	0251	0233	0210	0621	0457	0453	.30
•35	0462	0228	0191	0534	0458	0447	.35
•40	0552	0251	0184	0443	0431	0419	•40
• 45	0417	0528	0408	0351	0433	0387	.45
•50	1149	0956	0891	0646	0830	0864	•50
•55	0935	1119	1110	1049	1263	1282	•55
•60	1229	1092	1153	1220	<b></b> 1373	1379	•60
•65	1453	1059	1117	1284	1353	1360	•65
•70	1438	1209	1278	1497	1486	1439	•70
•75	.0997	1342	1346	1446	1508	1436	•75
•80		1437	1410	1461	1496	1488	.80
•85		1347	1356	1410	1445	1468	•85
•90		.0826	1303	1387	1472	1460	•90

TEST 1514 BATCH 6 RUN 57 POINT 478

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 6.60 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0360	0363	0359	0750	0538	0536	0.00
.05	0360	0326	0344	0780	0515	0532	•05
.10	0333	0328	0337	0767	0507	0569	.10
.15	0356	0326	0335	0732	0512	0535	.15
.20	0275	0337	0321	0703	0498	0515	.20
.25	0279	0305	0293	0697	0522	0517	•25
.30	0387	0307	0290	0657	0501	0497	.30
.35	0558	0320	0280	0572	0492	0485	.35
•40	1024	0399	0300	0511	0491	0493	•40
•45	1441	0763	0553	0618	0689	0715	•45
•50	1562	1363	1261	<b></b> 1170	1446	1469	•50
•55	1619	1645	1696	1686	1899	1888	• 55
•60	1521	1671	1774	1858	1891	1898	.60
•65	1566	1598	1694	1813	1753	<b></b> 1725	•65
.70	1563	1582	1619	1652	1594	1562	•70
•75	.0852	1489	1508	1590	1563	1521	•75
.80		1472	1442	1440	1529	1553	•80
.85		1414	1417	1425	1531	1555	.85
•90		.0826	1390	1420	1568	1544	•90

TEST 1514 BATCH 3 RUN 37 POINT 272

Q = 449.00 HO = 1254.7 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= -.40 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0181	.0173	.0177	0212	0053	.0003	0.00
.05	.0181	.0209	.0186	0243	0036	.0010	.05
.10	.0176	.0197	.0182	0229	0045	0071	.10
.15	.0169	.0196	.0170	0200	0068	0034	.15
.20	.0215	.0173	.0167	0198	0053	0012	.20
.25	.0219	.0212	.0190	0187	0061	0008	.25
.30	.0181	.0201	.0185	0189	0053	0002	.30
•35	.0177	.0194	.0180	0146	0058	0013	.35
.40	.0131	.0184	.0171	0103	0067	0030	.40
.45	.0118	.0171	.0161	0060	0082	0040	.45
•50	.0108	.0158	.0143	0008	0096	0058	•50
.55	.0045	.0144	.0125	.0031	0109	0068	•55
•60	0042	.0110	.0100	.0051	0131	0103	.60
.65	.0023	.0034	.0035	.0021	0192	0187	•65
.70	.0143	.0037	0009	0049	0308	0321	.70
.75	0546	.0185	.0168	.0145	0019	0037	.75
.80		.0237	.0249	.0219	.0103	.0062	.80
.85		.0317	.0307	.0281	.0193	.0140	.85
•90		.0360	.0394	.0321	.0273	.0234	.90

TEST 1514 BATCH 3 RUN 37 POINT 274

Q = 449.11 HO = 1255.0 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 3.61 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0107	0138	0122	0495	0322	0313	0.00
.05	0116	0108	0111	0527	0300	0314	•05
.10	0117	0121	0114	0528	0303	0374	.10
.15	0130	0119	0116	0507	0312	0329	.15
.20	0081	0144	0111	0511	0290	0306	.20
.25	0126	0135	0106	0498	0356	<b></b> 0354	.25
.30	0208	0185	0156	0518	0426	0403	.30
.35	0253	0194	0179	0503	0457	0403	.35
.40	0178	0202	0205	0477	0454	0407	.40
.45	0233	0227	0229	0438	0469	0421	• 45
.50	0234	0258	0251	0407	0491	0462	•50
•55	0348	0279	0282	0389	0524	0508	•55
.60	0420	0340	0321	0392	0580	0571	.60
.65	0428	0413	0395	0431	0668	0686	•65
.70	0577	0412	0454	0490	0785	0830	.70
.75	0615	0343	0354	0358	0494	0582	.75
.80		0600	0466	0517	0603	0659	.80
.85		0960	0771	0787	0864	0849	.85
.90		0191	1057	1091	1028	0953	•90

TEST 1514 BATCH 3 RUN 37 POINT 275

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 7.61 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0417	0433	0433	0807	0607	0612	0.00
.05	0414	0403	0421	0853	0585	0616	.05
.10	0409	0410	0417	0850	0601	0663	.10
.15	0435	0420	0428	0816	0609	0624	.15
.20	0382	0465	0443	0798	0590	0603	.20
.25	0368	0434	0418	0775	0607	0605	•25
.30	0506	0452	0420	0749	0583	0587	.30
.35	0757	0506	0459	0674	0597	0603	•35
.40	1415	0697	0611	0710	0705	0737	.40
.45	1799	1166	1075	1017	1180	1217	.45
.50	1891	<b></b> 1755	1748	1653	1914	1924	•50
•55	1927	2024	2114	2152	2284	2256	• 55
.60	1726	1963	2045	2171	2153	2129	.60
.65	1751	1826	1827	1954	1851	1836	.65
.70	1649	1699	1660	1728	1750	1741	.70
.75	0797	1610	1612	1708	1726	1700	.75
.80		1562	1566	1561	1671	1717	.80
.85		1524	1570	1563	1707	1703	.85
.90		0475	1546	1554	1725	1717	•90

TEST 1514 BATCH 3 RUN 37 POINT 276

Q = 449.00 HO = 1254.7 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 11.60 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0736	0739	0716	1084	0991	0918	0.00
.05	0802	0720	0713	1132	0993	0979	.05
.10	1092	0805	0774	1213	1034	1061	.10
•15	1148	1051	1006	1330	0998	0993	.15
.20	1055	1236	1192	1176	0942	0945	.20
.25	<b></b> 1115	1154	1026	1097	1020	1041	.25
•30	1500	1158	1077	1206	1197	1225	.30
•35	1784	1467	1423	1437	1535	1569	.35
.40	2373	1882	1887	1815	1978	2014	.40
• 45	2477	2313	2334	2245	2426	2444	• 45
•50	2350	2499	2621	2609	2757	2758	•50
•55	2372	2401	2504	2598	2574	2514	•55
.60	2297	2372	2431	2426	2445	2406	.60
•65	2336	2360	2385	2350	2412	2392	.65
.70	2121	2319	2366	2374	2465	2435	.70
• 75	1039	2162	2220	2288	2293	2214	.75
.80		2132	2099	2053	2145	2144	.80
.85		2079	2107	2054	2197	2244	.85
•90		0764	2069	2073	2193	2209	.90

TEST 1514 BATCH 3 RUN 37 POINT 277

Q = 449.07 HO = 1254.9 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 15.63 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0987	0949	0905	1322	1427	1342	0.00
.05	1281	1006	0970	1436	1548	1464	.05
.10	2240	1347	1272	1776	1732	1539	.10
.15	2062	2047	1968	2145	1700	1579	.15
.20	2171	2239	2208	2079	1640	1340	.20
.25	1962	2249	2224	2071	1413	1436	.25
.30	2028	2226	2187	1710	1601	1749	.30
•35	2216	1979	1883	1855	1946	2142	.35
.40	2552	2171	2148	2179	2329	2497	.40
• 45	2738	2481	2480	2490	2660	2777	•45
•50	2669	2744	2757	2753	2903	2978	.50
•55	2680	2774	2834	2905	2915	2886	.55
.60	2585	2722	2762	2772	2777	2774	.60
•65	2630	2699	2715	2686	2728	2742	•65
.70	2570	2671	2693	2652	2744	2787	.70
• 75	1326	2654	2695	2693	2758	2749	.75
.80		2537	2530	2556	2548	2522	.80
.85		2412	2459	2386	2442	2499	.85
•90		1000	2432	2415	2487	2543	.90

TEST 1514 BATCH 3 RUN 37 POINT 279

Q = 449.14 HO = 1255.1 PINF = 160.4 R/FT = 2.003

MACH= 2.000 ALPHA= 19.59 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1209	1192	1162	1604	1700	1689	0.00
.05	1681	1387	1346	1773	1945	1982	•05
.10	2824	1972	1906	2272	2433	2212	.10
.15	2686	2688	2665	2699	2394	2251	.15
.20	2751	2801	2823	2721	2429	2004	.20
.25	2666	2809	2830	2732	2007	1867	• 25
.30	2708	2813	2835	2504	2057	2064	.30
.35	2500	2728	2675	2292	2306	2337	•35
.40	2644	2606	2557	2439	2527	2538	•40
.45	2709	2632	2640	2638	2717	2735	• 45
.50	2803	2728	2766	2781	2865	2926	•50
•55	2850	2853	2897	2912	3001	3069	• 55
.60	2734	2870	2921	2952	2980	2999	•60
.65	2763	2831	2854	2838	2855	2894	•65
.70	2735	2799	2805	2768	2808	2855	.70
.75	1614	2789	2803	2760	2827	2872	•75
.80		2793	2810	2800	2860	2867	.80
.85		2645	2718	2690	2713	2724	.85
.90		1141	2619	2580	2640	2680	.90

TEST 1514 BATCH 3 RUN 37 POINT 280

Q = 449.00 HO = 1254.7 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 4.60 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0181	0199	0187	0559	0379	0377	0.00
.05	0182	0167	0178	0588	0357	0379	.05
.10	0176	0177	0175	0591	0361	0432	.10
.15	0201	0169	0178	0579	0369	0394	.15
.20	0181	0193	0164	0591	0355	0379	.20
.25	0210	0183	0153	0575	0403	0404	.25
.30	0275	0233	0210	0565	0455	0452	.30
.35	0237	0264	0263	0525	0524	0490	.35
.40	0272	0294	0300	0541	0531	0483	.40
•45	0256	0328	0331	0513	0538	0492	.45
.50	0410	0381	0365	0473	0564	0550	•50
•55	0501	0388	0400	0460	0608	0592	•55
.60	0666	0448	0440	0468	0657	0644	.60
•65	0774	0509	0484	0497	0706	0727	•65
.70	1348	0625	0597	0618	0770	0844	.70
•75	1589	0943	0900	1003	1115	1123	.75
.80		1353	1232	1310	1398	1363	.80
.85		1420	1416	1421	1439	1429	•85
.90		1132	1354	1419	1415	1398	•90

TEST 1514 BATCH 3 RUN 37 POINT 281

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 2.60 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0047	0069	0058	0430	0265	0244	0.00
.05	0050	0038	0049	0466	0245	0243	.05
.10	0062	0047	0045	0461	0247	0307	.10
.15	0053	0046	0048	0431	0266	0273	.15
.20	0019	0066	0045	0432	0249	0253	.20
.25	0027	0045	0032	0422	0303	0287	.25
.30	0110	0094	0073	0445	0330	0300	.30
.35	0161	0105	0093	0398	0355	0309	•35
.40	0146	0118	0107	0376	0367	0323	.40
.45	0172	0143	0130	0350	0386	0338	•45
•50	0174	0164	0156	0317	0410	0367	•50
•55	0282	0191	0188	0302	0437	0414	• 55
.60	0337	0253	0232	0305	0488	0490	.60
•65	0329	0355	0331	0353	0598	0616	•65
.70	0281	0372	0403	0454	0759	0777	.70
.75	1355	0201	0229	0263	0429	0487	•75
.80		0152	0164	0204	0313	0380	.80
.85		0208	0179	0174	0267	0333	.85
.90		0944	0249	0281	0301	0343	.90

TEST 1514 BATCH 3 RUN 27 POINT 210

Q = 419.00 HO = 1519.3 PINF = 103.9 R/FT = 1.999

MACH= 2.400 ALPHA= -.45 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0237	.0231	.0222	0140	0025	0015	0.00
• 05	.0236	.0262	.0231	0164	0006	0009	.05
.10	.0251	.0256	.0232	0160	0012	0048	.10
.15	.0240	.0262	.0231	O124	0014	0021	.15
.20	.0277	.0244	.0232	0120	0014	0016	.20
.25	.0249	.0272	.0249	0117	0018	0010	.25
.30	.0238	.0268	.0248	0096	0010	0003	.30
•35	.0220	.0263	.0239	0040	0017	0010	•35
<b>.</b> 40	.0187	.0250	.0227	.0001	0024	0021	•40
.45	.0161	.0234	.0217	.0048	0033	0018	• 45
• 50	.0145	.0224	.0205	.0081	0042	0025	• 50
• 55	.0103	.0200	.0184	.0091	<b></b> 0052	0038	• 55
•60	.0071	.0173	.0162	• 00 92	0066	0060	•60
• 65	.0108	.0100	.0090	.0048	0117	0137	• 65
.70	.0224	.0106	.0047	0012	0195	0264	.70
•75	.1381	.0247	.0232	.0183	.0112	.0030	•75
.80		.0326	.0332	• 0277	•0246	.0158	.80
<b>.</b> 85		.0378	.0399	.0353	.0345	.0263	.85
•90		.0799	.0454	.0390	.0413	.0349	•90

TEST 1514 BATCH 3 RUN 27 POINT 211

Q = 419.69 HO = 1521.8 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= 3.58 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0072	0073	0076	0377	0280	0283	0.00
•05	0076	0054	0077	0409	0275	0288	• 05
.10	0057	0057	0074	0408	0286	0324	.10
.15	0083	0049	0075	0382	0297	0297	.15
.20	0062	0059	0068	0393	0297	0295	.20
.25	0095	0063	0079	0398	0347	0331	.25
.30	0211	0111	0129	0385	0370	0358	.30
.35	0264	0119	0148	0355	0387	0374	•35
.40	0206	0145	0155	0338	0397	0390	•40
.45	0290	0189	0170	0317	0405	0399	• 45
.50	0287	0219	0211	0306	0424	0423	• 50
•55	0383	0269	0255	0309	0446	0456	• 55
.60	0377	0338	0308	0324	0485	0522	• 60
•65	0314	0356	0408	0384	0577	0647	• 65
.70	0476	0287	0419	0438	0637	0719	•70
•75	•0976	0325	0264	0299	0372	0445	•75
.80		0612	0356	0306	0337	0390	• 80
.85		0400	0704	0449	0428	0459	•85
.90		.0602	0696	0763	0630	0615	<b>.9</b> 0

TEST 1514 BATCH 3 RUN 27 POINT 212

Q = 419.75 HO = 1522.0 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= 7.55 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0343	0349	0358	0613	0538	0525	0.00
.05	0349	0322	0353	0642	0524	0526	.05
.10	0324	0326	0347	0643	0526	0542	.10
.15	0358	0333	0352	0614	0524	0508	.15
.20	0325	0390	0372	0614	0517	0498	.20
•25	0378	0384	0353	0610	0534	0500	.25
.30	0587	0427	0378	0569	0520	0495	.30
•35	0948	0565	0528	0551	0575	0569	.35
•40	1267	0885	0882	0710	0860	0903	.40
•45	1212	1218	<b></b> 1257	1118	1342	1388	-45
•50	1289	1255	1373	1489	1582	1593	• 50
•55	1277	1196	1289	1522	1524	1512	• 55
•60	1175	1148	1193	1375	1390	1375	•60
•65	1272	1122	1146	1261	1327	1319	• 65
.70	1190	1273	1238	1214	1297	1297	•70
.75	.0466	1280	1290	1221	1308	1319	•75
.80		1263	1284	1257	1308	1346	•80
.85		0839	1263	1252	1306	1361	•85
.90		.0271	1216	1243	1321	1369	•90

TEST 1514 BATCH 3 RUN 27 POINT 213

Q = 419.66 HO = 1521.7 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= 11.57 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0579	0562	0561	0864	0861	0774	0.00
•05	0632	0548	0562	0896	0879	0802	.05
.10	0864	0605	0597	0956	0897	0874	.10
.15	0953	0813	0782	<b></b> 1075	0856	0849	.15
.20	0907	1054	1033	1016	0808	0817	.20
•25	0947	1009	0969	0943	0888	0929	.25
.30	1292	0994	0960	1034	1097	1148	.30
•35	1504	1269	1245	1261	1408	1464	.35
•40	<b></b> 1752	<b></b> 1572	1572	<b></b> 1559	1720	1761	.40
• 45	1757	<b></b> 1775	<b></b> 17 <b>9</b> 8	1803	1924	1932	.45
• 50	1706	1742	1790	1857	1881	1857	• 50
• 55	1718	<b></b> 1713	<b></b> 1755	1791	1822	1811	• 55
•60	1578	1695	1731	1739	1805	1812	.60
•65	1560	1662	1701	1738	1813	1822	• 65
.70	1502	1612	1624	1646	1667	1669	.70
•75	.0026	1633	1640	1586	1672	1691	•75
.80		1640	1647	1611	1691	1709	.80
•85		0940	1632	1596	1680	1700	.85
.90		.0029	1540	1584	1677	1695	•90

TEST 1514 BATCH 3 RUN 27 POINT 214

Q = 419.86 HO = 1522.4 PINF = 104.1 R/FT = 2.004

MACH= 2.400 ALPHA= 15.54 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ЕТА
0.00	0744	0764	0744	1065	1135	1103	0.00
•05	0947	0808	0792	1146	1244	1240	.05
.10	1663	1055	1014	1380	1516	1371	.10
•15	<b></b> 1655	1544	1518	1692	1490	1386	.15
.20	1674	1736	1739	1716	1466	1171	.20
•25	1609	1739	1742	1728	1257	1223	.25
•30	1627	1716	1712	1565	1376	1463	.30
•35	1690	1641	1609	1528	1598	1736	.35
•40	1873	1716	1704	1715	1833	1946	•40
•45	1954	1873	1881	1893	2013	2084	• 45
•50	1905	1957	1995	2026	2090	2094	• 50
• 55	1914	1934	1987	2027	2044	2059	• 55
•60	1818	1923	1964	1981	2009	2037	.60
•65	1822	1915	1932	1958	1999	2026	•65
.70	<b></b> 1753	1899	1910	1947	1993	2000	.70
•75	0522	1869	1872	1904	1939	1920	•75
.80		1841	1851	1842	1879	1880	.80
•85		1586	1848	1822	1873	1896	.85
• 90		0139	1771	1817	1870	1897	•90

TEST 1514 BATCH 3 RUN 27 POINT 215 Q = 419.55 HO = 1521.3 PINF = 104.1 R/FT = 2.002

MACH= 2.400 ALPHA= 19.59 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1017	1013	0972	1281	1354	1352	0.00
• 05	1387	1179	1135	1408	<b></b> 1525	<b></b> 1564	•05
•10	2005	1576	1525	1751	1924	1804	.10
•15	1985	1955	1942	1961	<b>19</b> 05	<b></b> 1813	•15
.20	1989	2024	2034	2031	1897	1682	.20
•25	1969	2029	2037	2035	1736	1600	• 25
•30	1967	2029	2037	2009	1738	1728	•30
• 35	1947	2016	2001	1880	1839	1858	.35
•40	1974	1975	1952	1896	1920	<b></b> 1952	•40
.45	1997	<b></b> 1979	1963	1963	2014	2063	•45
• 50	2005	2012	2021	2044	2098	2143	• 50
• 55	1998	2040	2068	2106	2140	2165	• 55
• 60	1925	2038	2060	2096	2111	2135	•60
• 65	1932	2028	2038	2063	2081	2108	• 65
•70	1904	2013	2025	2031	2062	2081	.70
•75	0800	2007	2014	2008	2055	2066	.75
.80	-	1993	2007	2009	2037	2043	.80
.85		1826	1986	1987	2007	2021	.85
• 90		0154	1903	1974	1993	2015	<b>.9</b> 0

TEST 1514 BATCH 3 RUN 28 POINT 217

Q = 379.03 HO = 1874.3 PINF = 69.1 R/FT = 2.001

MACH= 2.800 ALPHA= -.15 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0182	.0194	.0189	0075	0005	.0021	0.00
• 05	.0173	.0221	.0196	0099	.0006	.0022	•05
•10	.0177	.0214	.0201	0099	.0006	.0004	.10
•15	.0176	.0221	.0199	0060	.0008	.0023	.15
•20	.0173	.0221	.0198	0066	.0004	.0023	.20
•25	.0150	.0236	.0203	0075	0000	.0023	•25
•30	.0122	.0230	.0203	0038	.0004	.0026	.30
• 35	.0107	.0213	.0191	.0008	0001	.0016	•35
•40	.0105	.0201	.0189	.0059	0001	.0015	•40
. 45	.0097	.0180	.0180	.0102	0011	.0016	•45
• 50	.0090	.0166	.0167	.0125	0016	.0012	• 50
• 55	.0087	.0100	.0158	.0132	0018	.0001	• 55
•60	.0058	.0053	.0085	.0120	0028	0030	•60
• 65	.0096	.0030	.0016	.0070	0058	0099	• 65
.70	.0201	.0080	.0046	.0026	0094	0151	.70
•75	.0245	.0212	.0220	.0219	.0172	•0154	.75
.80		.0282	.0288	.0305	.0276	.0276	.80
•85		.0342	.0334	•0381	.0352	.0351	•85
•90		.0827	.0411	.0436	.0413	.0433	•90

TEST 1514 BATCH 3 RUN 28 POINT 218

Q = 379.49 HO = 1876.6 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 3.86 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0097	0101	0090	0320	0242	0217	0.00
• 05	0091	0071	0076	0333	0228	0214	•05
.10	0071	0074	0070	0338	0234	0233	.10
•15	0086	0067	0063	0295	0241	0216	.15
.20	0052	0068	0050	0320	0239	0215	.20
•25	0102	0064	0048	0329	0277	0255	.25
•30	0314	0078	0073	0290	0307	0286	.30
•35	0325	0218	0178	0300	0323	0303	•35
•40	0292	0282	0211	0276	0330	0321	.40
•45	0304	0287	0236	0251	0353	0337	• 45
• 50	0286	0305	0290	<b></b> 0254	0366	0351	• 50
• 55	0309	<b></b> 0317	0306	0273	0378	0389	• 55
• 60	0332	0321	0332	0309	0417	0450	• 60
• 65	0323	0323	0382	0370	0521	0560	• 65
.70	0317	0304	0356	0384	0504	0516	.70
•75	.0093	0238	0183	0183	0225	0224	•75
.80		0301	0256	0115	0131	0142	.80
•85		0374	0424	0318	0200	0196	.85
•90		.0631	0451	0539	0613	0522	•90

TEST 1514 BATCH 3 RUN 28 POINT 219

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 7.83 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0281	0301	0283	0500	0436	0416	0.00
• 05	0289	0289	0282	0530	0431	0419	.05
.10	0279	0298	0278	0535	0435	0432	.10
.15	0310	0303	0274	0491	0422	0408	.15
.20	0284	0363	0319	0524	0418	0405	.20
•25	0332	0371	0322	0517	0427	0408	.25
.30	0655	0421	0395	0481	0449	0451	.30
•35	0915	0586	0630	0557	0660	0715	.35
•40	0941	0829	0888	0842	0998	1039	.40
• 45	0953	0863	0905	1052	1070	1032	.45
• 50	0929	0844	0860	0990	0957	0926	• 50
• 55	0936	0831	0851	0888	0917	0907	• 55
• 60	0760	0850	0882	0847	0881	0891	.60
• 65	0805	0910	0916	0821	0908	0922	• 65
•70	0781	0942	0982	0913	0964	0970	.70
•75	0058	0948	0974	0948	1020	1018	•75
• 80		0961	0965	1012	1080	1072	.80
•85		0781	0960	1046	1119	1116	.85
•90		.0507	0854	1053	1129	1153	•90

TEST 1514 BATCH 3 RUN 28 POINT 220

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.86 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0436	0432	0445	0661	0669	0618	0.00
.05	0467	0427	0452	0702	0694	0645	•05
.10	0647	0458	0466	0744	0726	0711	.10
.15	0747	0589	0576	0821	0682	0689	.15
.20	0781	0859	0851	0874	0648	0675	.20
.25	0747	0831	0813	0793	0750	0803	•25
.30	1054	0843	0832	0867	0976	1026	.30
•35	1213	1051	1048	<b></b> 1075	1220	<b></b> 1258	•35
.40	1230	1229	1251	1273	1364	1365	•40
.45	1248	1259	1277	1305	1336	1323	• 45
•50	1214	1243	1255	1265	<b></b> 1302	1293	• 50
•55	<b></b> 1223	1228	1236	1240	1296	<b></b> 1308	• 55
•60	1057	1220	1220	1231	1260	1256	• 60
•65	<b></b> 1109	1183	1163	<b></b> 1159	1233	1240	• 65
.70	1080	1222	<b></b> 1250	<b></b> 1272	1341	1334	•70
•75	0436	1224	1248	<b></b> 1267	1334	<b></b> 1321	•75
.80		1222	1250	1284	1331	1324	.80
•85		1088	1245	1280	1320	1329	•85
•90		.0379	1139	<b></b> 1270	1320	1337	•90

TEST 1514 BATCH 3 RUN 28 POINT 221

Q = 379.39 HO = 1876.1 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 15.91 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0585	0586	0589	0831	0870	0850	0.00
.05	0739	0616	0635	0898	0963	0966	•05
.10	1209	0799	0796	1056	1189	1132	.10
•15	1262	1124	1121	1214	1178	1120	.15
•20	1245	1284	1291	1297	1165	0997	.20
•25	1230	1287	1286	1298	1065	1045	.25
.30	1246	1283	1266	1237	1146	1221	.30
•35	1304	1274	1262	1219	1310	1391	.35
•40	1363	1324	1335	1341	1444	1487	•40
•45	<b></b> 1374	1404	1413	1432	1501	1511	•45
• 50	1354	1412	1430	1459	1492	1493	• 50
•55	<b></b> 1352	1401	1418	1443	1479	1495	• 55
•60	1248	1398	1422	1425	1465	1484	• 60
•65	1269	1389	1389	1402	1440	1442	• 65
•70	1253	1375	1384	1395	1424	1424	.70
•75	0599	1365	1377	1380	1426	1426	•75
.80		1366	1381	1392	1424	1431	.80
.85		<b></b> 1237	1379	1390	1420	1430	•85
•90		.0369	1283	1383	1417	1430	•90

TEST 1514 BATCH 3 RUN 28 POINT 222

Q = 379.27 HO = 1875.5 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.88 BETA = .00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	<b></b> 0753	0745	0741	0968	1014	1000	0.00
.05	1019	0876	0858	1073	<b></b> 1150	1164	•05
.10	<b></b> 1399	1138	1106	1271	1390	1294	.10
•15	1420	1376	1368	1346	1393	1303	•15
.20	1408	1442	1449	1448	1388	1264	.20
.25	1401	1447	1448	1456	1337	1251	.25
.30	1401	1447	1444	1443	1335	1317	.30
•35	1418	1444	1442	1411	1388	1410	.35
•40	1431	1439	1438	1420	1452	1489	•40
•45	1442	1462	1456	1460	1518	1544	.45
• 50	1428	1469	1478	1501	1548	<b></b> 1556	• 50
•55	1425	1468	1485	1515	1548	1560	• 55
.60	1333	1470	1485	1505	1535	1551	• 60
•65	1347	1463	1468	1491	1514	<b></b> 1520	• 65
.70	1338	1456	1466	1477	1505	1500	•70
•75	0723	1449	1457	1458	1496	1491	•75
.80		1447	1459	1467	1488	1491	.80
.85		1322	1455	1466	1483	1491	•85
•90		.0381	1358	1460	1483	1489	•90

TEST 1514 BATCH 3 RUN 29 POINT 223

Q = 379.45 HO = 1876.4 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.83 BETA = -8.03

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0953	0958	0964	1111	0990	0930	0.00
•05	0904	0936	0969	1092	0947	0894	.05
.10	0633	0697	0723	1005	0983	0952	.10
•15	0938	0304	0256	0881	0866	0873	.15
.20	1078	1095	1073	0943	0911	0911	.20
•25	0822	<b></b> 1057	1051	0973	0826	0741	.25
•30	1083	<b></b> 1156	1186	0867	0649	0611	.30
•35	0669	1144	<b></b> 1175	0727	0609	0609	.35
•40	1063	1120	1149	0668	0633	0635	•40
•45	0774	1105	1129	0679	0683	0675	.45
• 50	1068	1104	1123	0739	0761	0748	• 50
• 55	0992	1102	<b></b> 1125	0839	0870	0856	•55
•60	1110	1105	1125	0982	1013	1007	•60
•65	1238	1126	1134	1149	1186	1180	•65
.70	0875	0953	0957	1287	1307	1315	.70
•75	0961	0849	0854	1275	1304	1308	.75
.80		0853	0867	1303	1314	1310	.80
•85		0892	0924	1321	1340	1331	•85
.90		.0499	0998	1195	1198	1190	•90

TEST 1514 BATCH 3 RUN 29 POINT 224

Q = 379.17 HO = 1875.0 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.83 BETA = -4.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0635	0660	0655	0854	0813	0754	0.00
.05	0671	0569	0588	0874	0788	0739	•05
.10	0584	0466	0466	0880	0740	0707	.10
•15	0690	0414	0355	0789	0688	0678	.15
.20	1140	1182	1196	0789	0660	0629	.20
.25	0682	1148	1143	0776	0627	0604	.25
.30	1192	1144	1146	0746	0649	0633	.30
•35	0816	1253	1287	0774	0724	0711	.35
.40	1168	1216	1249	0848	0834	0835	•40
.45	1153	1197	1215	0970	0998	1008	• 45
.50	1134	1174	1198	1132	1194	1206	• 50
•55	1273	1159	1178	1289	1347	1369	• 55
.60	1125	1161	1180	1369	1395	1408	• 60
• 65	1232	1164	1180	1332	1350	<b></b> 1356	• 65
.70	1125	1174	1190	1299	1326	1326	•70
.75	0980	1198	1223	1292	1342	<b></b> 1335	•75
.80		1232	1256	1255	1289	<b></b> 1275	.80
.85		1159	1291	1192	1234	1238	.85
.90		.0444	1239	1187	1230	1244	•90

TEST 1514 BATCH 3 RUN 29 POINT 225

Q = 379.21 HO = 1875.2 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.83 BETA = -2.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0512	0505	0500	0719	0711	0672	0.00
•05	0580	0448	0461	0761	0728	0705	•05
.10	0633	0403	0405	0806	0724	0680	.10
.15	0727	0503	0463	0796	0683	0647	.15
.20	1027	1091	1068	0778	0653	0614	•20
.25	0704	1062	1024	0754	0666	0654	•25
.30	1250	1051	1018	0771	0732	0748	.30
•35	1017	1254	1265	0876	0886	0926	•35
.40	1241	1303	1351	1049	1107	<b></b> 1145	•40
•45	1311	1284	1319	1237	1317	1341	• 45
•50	1219	1261	1290	1377	1432	1434	• 50
•55	1273	1232	1261	1366	1389	<b></b> 1392	• 55
•60	1155	1198	1221	1328	1360	<b></b> 1365	•60
•65	1218	1216	1221	1304	1355	1359	• 65
.70	1184	1243	1262	1274	1307	1299	•70
.75	0983	1245	1258	1214	1280	1278	•75
.80		1246	1262	1235	1285	1286	.80
.85		1198	1259	1226	1268	1276	•85
.90		.0526	1228	1213	1259	1276	•90

TEST 1514 BATCH 3 RUN 29 POINT 226

Q = 379.33 HO = 1875.8 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.84 BETA = 2.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0504	0494	0490	0704	0703	<b></b> 0671	0.00
• 05	0452	0502	0508	0708	0671	0677	•05
.10	0704	0561	0550	0706	0738	0818	.10
•15	0939	0676	0657	0807	0838	0788	•15
•20	0716	0781	0763	0999	0785	0835	•20
.25	0954	0759	0708	0926	1027	1112	•25
.30	0908	0771	0716	1005	1286	1319	.30
.35	1264	0916	0884	1280	1347	1320	•35
.40	1264	1103	1104	1341	1308	1282	•40
• 45	1257	1271	1284	1308	<b></b> 1298	1286	• 45
• 50	1262	1318	1352	1273	1281	1242	• 50
• 55	1203	1294	1321	1233	1210	1220	• 55
• 60	1196	1284	1296	1148	1251	1253	• 60
• 65	1210	1269	1272	1168	1250	1240	• 65
.70	1179	1229	1233	1211	1270	1261	•70
.75	0992	1226	1240	1251	1316	<b></b> 1313	•75
.80		1229	1246	1326	1379	1380	.80
•85		1186	1238	1334	1400	1425	•85
.90		.0462	1212	1321	1399	1426	•90

TEST 1514 BATCH 3 RUN 29 POINT 227

Q = 379.25 HO = 1875.4 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.84 BETA = 4.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0612	0606	0606	0808	0780	0740	0.00
.05	0474	0613	0623	0780	0721	0698	•05
.10	0707	0659	0651	0707	0778	0925	.10
.15	1116	0716	0701	0734	1009	1002	•15
•20	0690	0727	0705	1097	0964	1082	.20
.25	1121	<b></b> 0697	0661	1007	1285	1326	.25
.30	0772	0692	0653	1207	1351	1257	.30
•35	1192	0752	0722	1368	1289	1221	•35
•40	1046	0866	0847	1318	1256	1205	•40
•45	1161	1038	1024	1272	1207	1191	• 45
• 50	1259	1215	1207	1224	1189	1259	• 50
• 55	<b></b> 1157	1323	1336	1170	1221	1295	• 55
• 60	1204	1314	1337	1150	1262	1304	• 60
• 65	1166	1292	1308	1138	1283	<b></b> 1312	• 65
•70	1194	1276	1292	1184	1215	1209	•70
•75	0999	1261	1275	1233	1191	1180	.75
.80		1227	1226	1329	1309	1286	.80
.85		1169	1207	1350	1435	1417	. 85
•90		.0457	1182	<b></b> 1357	1476	1476	•90

TEST 1514 BATCH 3 RUN 29 POINT 228

Q = 379.31 HO = 1875.7 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.83 BETA = 7.99

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0859	0887	0938	1089	0984	0917	0.00
• 05	0738	0865	0915	1148	1023	0908	•05
.10	0846	0861	0883	0894	0752	1075	.10
•15	1085	0862	0848	0514	<b></b> 1176	1194	.15
•20	0810	0897	0847	1117	1232	1301	.20
•25	1125	0798	0765	1154	1322	1283	.25
•30	0688	0766	0723	1302	1260	1234	•30
• 35	1110	<b></b> 0668	0656	1263	1219	1225	.35
•40	0728	<b></b> 0672	0658	1220	1210	1247	.40
• 45	1107	0722	0704	1193	1230	1255	•45
• 50	0918	<b></b> 0805	0786	<b></b> 1186	1246	1270	• 50
• 55	1119	0922	0907	1177	1280	1309	• 55
• 60	1190	1069	1060	<b></b> 1176	1316	1360	• 60
• 65	1014	1209	1215	<b></b> 1173	1358	1412	• 65
•70	1206	1272	1289	0976	0909	0891	.70
• 75	0952	1261	1282	0854	0855	0846	.75
.80		1264	1290	0923	0939	0921	.80
• 85		1204	1289	1015	1048	1018	.85
• 90		.0420	1162	1126	1170	1148	<b>.9</b> 0

TEST 1514 BATCH 3 RUN 30 POINT 229

Q = 189.62 HO = 937.7 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = 7.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0646	0708	0717	0849	0799	0757	0.00
• 05	0532	0719	0758	0956	0857	0761	.05
.10	0681	0739	<b></b> 0751	0742	0638	0917	.10
•15	0897	0741	0754	0318	1067	1065	.15
•20	0677	0747	0776	1007	1080	1140	.20
•25	<b></b> 0900	0716	0695	1007	1164	<b></b> 1175	•25
.30	0618	0701	0651	1104	1143	1124	•30
•35	0902	0589	0570	1092	1129	1144	•35
.40	0615	0569	0579	1071	1128	1139	.40
• 45	0922	0633	0628	1045	1130	1147	.45
• 50	0781	0708	0706	1043	1137	1144	•50
• 55	0920	0809	0811	1038	1134	<b></b> 1158	• 55
• 60	0803	0939	0963	1038	1145	1158	• 60
• 65	0731	1055	1048	1042	<b></b> 1156	1155	• 65
.70	0815	1100	1119	0906	0938	0880	•70
• 75	.0365	1083	1097	0772	0817	0792	•75
.80		1086	1109	0824	0862	0849	.80
•85		0781	1103	0882	0930	0910	•85
<b>.9</b> 0		.2483	0818	0955	1015	0998	•90

TEST 1514 BATCH 3 RUN 30 POINT 230

Q = 189.62 HO = 937.7 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = 3.99

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0530	0578	0566	0736	0700	0662	0.00
• 05	0366	0547	0580	0753	0666	0621	•05
.10	0594	0599	0597	0635	0644	0749	.10
•15	1009	0633	0632	0467	0905	0868	•15
•20	0597	0635	0638	0978	0877	0983	.20
•25	0948	0639	0627	0947	1169	1220	.25
•30	0642	0627	0592	1077	1244	1198	.30
•35	0972	0654	0636	1188	1214	1208	•35
•40	0850	0736	0740	1160	1188	1182	•40
• 45	0982	0881	0878	1137	1168	1164	• 45
• 50	1019	1021	1025	1115	1150	1152	• 50
• 55	0974	1084	1114	1077	1149	1156	• 55
•60	0912	1109	1113	1070	1163	1151	•60
• 65	0870	1118	1126	1071	1148	1137	•65
.70	0913	1120	1145	1088	1143	1125	•70
•75	.0105	1112	1130	1074	1149	1138	•75
.80		1093	1114	1111	1163	1173	.80
•85		0911	1093	1125	1173	1187	.85
•90		.2326	0929	1130	1188	1197	•90

TEST 1514 BATCH 3 RUN 30 POINT 231

Q = 189.65 HO = 937.8 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = 2.03

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0396	0412	0410	0615	0605	<b></b> 0577	0.00
• 05	0364	0414	0445	0657	0609	0602	.05
.10	0592	0478	0483	0634	0653	0687	.10
•15	0859	0580	0570	0554	0741	0695	.15
.20	0609	0674	0656	0883	0688	0730	.20
•25	0877	0670	0647	0833	0923	1000	•25
.30	0769	0671	0637	0927	1191	1194	.30
•35	1045	0794	0765	1169	1287	1260	•35
•40	1072	0952	0958	1232	1255	1229	.40
• 45	1051	1116	1126	1209	1231	1205	.45
• 50	1064	1151	1186	1190	1212	1185	• 50
• 55	1018	1131	1172	<b></b> 1152	1146	<b></b> 1137	• 55
• 60	0960	1136	1163	1110	1146	1154	.60
• 65	0951	1134	1152	1109	1155	1141	• 65
•70	0945	1111	1129	1146	1177	1162	.70
•75	0227	1091	1116	<b></b> 1115	1209	1208	•75
. 80		1099	1121	1151	1232	1253	.80
<b>∙</b> 85		0948	1121	<b></b> 1153	1236	1259	.85
•90		•2204	0985	1149	1241	1260	•90

TEST 1514 BATCH 3 RUN 30 POINT 232

Q = 189.52 HO = 937.2 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = -1.99

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0394	0423	0416	0623	0616	0590	0.00
•05	0468	0385	0414	0695	0661	0632	•05
.10	0546	0369	0371	0710	0666	0619	.10
•15	0657	0436	0414	0552	0627	<b></b> 0587	.15
.20	0860	0920	0873	0721	0595	0574	.20
.25	0648	0902	0853	0679	0621	0621	•25
.30	0979	0875	0849	0704	0716	0730	.30
.35	0942	1050	1071	0833	<b></b> 087 5	0905	•35
•40	1038	1113	1154	1006	1056	1083	•40
•45	1117	1146	1173	1151	1216	1232	• 45
•50	1028	1148	1176	1236	1280	1278	• 50
•55	1073	1131	1143	1218	1244	1268	• 55
•60	0947	1098	1132	1194	1231	1254	• 60
•65	0978	1112	1116	1187	1226	1234	• 65
.70	0953	1109	1135	1143	1190	1183	•70
•75	0341	1115	1133	1102	1198	1192	•75
.80		1113	1135	1143	1196	1204	.80
.85		0973	1136	1138	1192	1205	.85
.90		.2211	1007	1128	1185	1206	•90

TEST 1514 BATCH 3 RUN 30 POINT 233

Q = 189.67 HO = 937.9 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = -4.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0482	0536	0525	0721	0693	0650	0.00
.05	0569	0473	0509	0785	0722	0680	.05
.10	0736	0385	0398	0772	0708	0659	.10
.15	0612	0338	0296	0546	0619	0602	.15
.20	0964	1057	1008	0709	0597	0564	.20
•25	<b></b> 0593	1039	0973	0695	<b></b> 0577	0547	.25
•30	0990	1007	0986	0666	0599	0564	.30
•35	0727	1071	1120	0695	0663	0653	•35
•40	0985	1065	1110	0773	0769	0768	.40
•45	1042	1088	1093	0909	0941	0948	.45
• 50	0986	1062	1070	1069	1126	1135	• 50
• 55	1091	1059	1067	1205	1257	<b></b> 1282	•55
• 60	0926	1055	1074	1240	1277	1295	• 60
• 65	0995	1065	1061	1221	<b></b> 1253	<b></b> 1253	• 65
•70	0952	1072	1077	1198	1243	1228	•70
.75	0404	1085	1094	1156	1242	1224	•75
.80		1109	1130	1150	1188	1173	.80
.85		0980	1154	1107	1155	1159	•85
.90		.2277	1042	1103	1154	1166	•90

TEST 1514 BATCH 3 RUN 30 POINT 234

Q = 189.62 HO = 937.7 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.85 BETA = -8.01

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0730	0779	0769	0882	0825	0788	0.00
• 05	0762	<b></b> 0765	0819	0949	0875	0828	•05
.10	0692	0527	0600	0925	0891	0860	.10
•15	0772	0337	0118	0656	0806	0831	.15
.20	0907	1006	0974	0859	0828	0844	.20
•25	0731	<b></b> 0994	0944	0865	0749	0688	•25
•30	0915	1002	1042	0776	0608	0559	.30
•35	0580	1005	1050	0661	0568	0557	•35
•40	0912	0989	1040	0618	0598	0574	.40
• 45	0690	0997	1014	0624	0642	0618	•45
• 50	0924	0999	1023	0680	0716	0692	•50
• 55	0887	1001	1022	0776	0815	0807	• 55
•60	0913	1008	1032	0911	0951	0956	•60
•65	1011	1040	1035	1075	1117	1122	• 65
•70	0760	0892	0901	1191	1226	1212	.70
•75	<b></b> 04 52	<b></b> 0786	0782	1149	1219	1209	•75
.80		0772	0775	1182	1218	1214	.80
.85		0778	0814	1188	1222	1221	.85
•90		•2363	0843	1105	1127	1122	•90

TEST 1514 BATCH 3 RUN 31 POINT 235

Q = 189.52 HO = 937.2 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= -.15 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0211	.0206	.0200	0027	.0031	•0058	0.00
• 05	.0221	.0244	.0205	0069	.0038	.0057	.05
.10	.0222	.0223	.0208	0059	.0032	.0047	.10
•15	.0218	.0228	.0210	.0084	•0045	.0061	.15
.20	.0205	.0223	.0213	0042	.0031	.0054	.20
•25	.0181	.0232	.0216	0051	.0027	.0056	.25
.30	.0183	.0186	.0221	0015	.0032	.0062	.30
•35	.0173	.0167	.0189	.0040	.0033	.0056	.35
•40	.0172	.0170	.0166	.0084	.0031	•0057	.40
• 45	.0160	• 01 52	.0134	.0130	.0016	•0054	.45
• 50	.0162	.0147	.0094	.0162	.0013	•0047	.50
• 55	.0147	.0139	.0067	.0170	•0004	.0029	• 55
•60	.0017	.0136	.0057	.0154	0000	.0003	•60
• 65	.0093	.0113	.0040	.0034	0049	0080	•65
.70	.0188	.0145	.0074	.0055	0053	0093	.70
•75	0208	.0244	.0229	.0244	.0199	.0198	.75
.80		.0318	.0315	.0321	.0303	.0309	.80
.85		.0240	.0383	.0390	.0364	.0389	.85
•90		.2126	.0391	.0459	.0432	.0456	•90

TEST 1514 BATCH 3 RUN 31 POINT 236

Q = 189.67 HO = 937.9 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 3.86 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0001	0015	0028	0226	0167	0144	0.00
•05	0024	0014	0045	0282	0186	0171	•05
.10	0000	0023	0041	0272	0185	0173	.10
.15	0027	0023	0030	0120	0184	0162	.15
.20	0024	0022	0017	0266	0190	0168	.20
.25	0124	0024	0016	0272	0212	0196	•25
.30	0199	0082	0029	0222	0243	0215	.30
.35	0216	0243	0220	0233	<b></b> 0256	0246	.35
.40	0187	0233	0246	0221	0278	0266	.40
.45	0208	0225	0252	0215	0296	0278	• 45
•50	0192	0224	0260	0247	0318	0294	•50
•55	0215	0219	0266	0272	0330	0340	• 55
.60	0145	0227	0276	0306	0407	<b></b> 0454	• 60
• 65	0161	0235	0274	0324	<b></b> 0502	0527	• 65
.70	0105	0220	0259	0294	0430	0438	•70
•75	0126	0182	0175	0111	0111	<b></b> 0117	•75
.80		0183	0193	0176	0137	0088	.80
.85		0079	0248	0330	0449	0366	•85
.90		.2090	0173	0382	0470	0478	•90

TEST 1514 BATCH 3 RUN 31 POINT 237

Q = 189.48 HO = 937.0 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 7.84 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0182	0210	0207	0415	0343	0322	0.00
.05	0213	0218	0231	0476	0360	0351	•05
.10	0205	0232	0232	0475	0367	0352	.10
.15	0240	0230	0225	0303	0347	0328	.15
.20	0233	0257	0249	0459	0345	0324	.20
•25	0281	0260	0247	0447	0344	0316	.25
.30	0607	0297	0273	0438	0420	0380	.30
•35	0744	0499	0432	0568	0658	0673	•35
•40	0716	0776	0744	0767	0846	0865	•40
•45	0745	0826	0807	0821	0911	0919	.45
•50	0707	0815	0796	0791	0908	0907	• 50
• 55	0710	0805	0791	0771	0874	0880	• 55
•60	0518	0775	0784	0798	0869	0860	•60
•65	0578	0765	0783	0840	0884	0848	•65
.70	0536	0768	0827	0911	<b></b> 0955	0897	•70
•75	0176	0774	0822	0884	0971	0948	.75
.80		0772	0829	0894	0972	0968	.80
.85		0505	0831	0896	0976	0989	•85
.90		.2059	0609	0888	0972	0992	.90

TEST 1514 BATCH 3 RUN 31 POINT 238

Q = 189.52 HO = 937.2 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 11.88 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0323	0353	0359	0567	0567	0525	0.00
.05	0370	0354	0390	0635	0618	0577	.05
.10	0530	0396	0398	0659	0651	0622	.10
.15	0643	0493	0477	0555	0649	0618	.15
.20	0678	0731	0712	0758	0596	0601	.20
.25	0659	0720	0691	0695	0677	0716	•25
.30	0895	0720	0699	0755	0870	0880	.30
.35	1013	0908	0912	0945	1086	<b></b> 1116	•35
.40	1002	1069	1108	1124	1207	1198	•40
• 45	1029	1101	1132	1167	1198	1187	• 45
• 50	0997	1089	1126	1146	1181	1164	• 50
• 55	1001	1082	1129	1131	<b></b> 1172	<b></b> 1177	• 55
•60	0796	1084	1127	1108	1136	1128	• 60
• 65	0852	<b></b> 1056	1060	1061	1126	1125	• 65
.70	0816	1062	1092	1122	1211	<b></b> 1191	•70
•75	0260	1062	1086	1110	1213	<b></b> 1192	•75
•80		1056	1091	1133	1206	1202	•80
•85		0801	1091	1134	1200	1210	• 85
.90		.2068	0879	1121	1198	1208	•90

TEST 1514 BATCH 3 RUN 31 POINT 239

Q = 189.56 HO = 937.4 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 15.85 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0430	0477	0481	0699	0743	0721	0.00
.05	0565	0515	0543	0793	0859	0848	.05
.10	0975	0660	0657	0902	1024	0955	.10
.15	1061	0944	0933	0876	1034	0955	.15
.20	1043	1107	1098	1102	1008	0892	.20
•25	1025	1110	1094	1107	0966	0958	.25
.30	1082	1098	1087	1070	1054	1089	.30
•35	1121	1127	1110	1098	1213	1266	•35
.40	1141	1170	1186	1213	1319	1340	.40
•45	1172	1230	1252	1284	<b></b> 1355	<b></b> 1357	• 45
• 50	1139	1227	1257	1289	1346	1339	• 50
• 55	1140	1219	1255	1281	1334	1357	• 55
.60	0959	1226	1234	1274	1324	1339	• 60
• 65	0998	1221	1226	1263	1301	1304	• 65
.70	0974	1207	1226	1250	1307	1296	•70
•75	0359	1207	1216	1222	1308	1297	•75
.80		1212	1236	1246	1307	1298	.80
.85		0974	1229	1242	1289	1297	• 85
•90		.2074	1027	<b></b> 1235	1295	1299	•90

TEST 1514 BATCH 3 RUN 31 POINT 240

Q = 189.60 HO = 937.6 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.82 BETA = -.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0595	0628	0625	0822	0880	0866	0.00
.05	<b></b> 0857	0739	0753	0966	1037	1048	.05
.10	1196	0982	0965	1125	1231	1167	.10
•15	1225	1197	1191	1000	1228	1177	.15
•20	1214	1271	1271	1266	1234	1165	.20
•25	1204	1268	1265	1276	1208	1171	•25
•30	1227	1266	1264	1280	1218	1187	.30
•35	1229	1277	1278	1282	1262	1293	•35
•40	1236	1279	1300	1301	1331	1358	•40
•45	1268	1301	1307	1316	<b></b> 1379	1398	.45
•50	1238	1304	1316	1347	1401	1401	• 50
•55	1235	1294	1316	<b></b> 1347	1392	1418	• 55
•60	1065	1305	1279	1346	1389	1413	• 60
•65	1095	1303	1294	1343	1373	<b></b> 1379	• 65
.70	1071	1292	1306	1330	1378	1363	.70
•75	0456	1289	1290	1299	1371	1357	•75
.80		1282	1301	1318	1354	1353	.80
•85		1069	1300	1327	1349	1356	•85
.90			1103	1312	1347	1352	•90

TEST 1514 BATCH 4 RUN 38 POINT 288

Q = 451.30 HO = 1051.9 PINF = 286.5 R/FT = 2.002

MACH= 1.500 ALPHA= -.42 BETA = 0.00

							•
ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0046	.0038	.0039	.0091	.0110	.0182	0.00
• 05	.0060	.0062	.0054	.0024	.0137	.0168	.05
.10	.0058	.0059	.0053	0006	.0144	.0065	.10
.15	.0057	.0059	.0049	0003	.0133	.0128	.15
.20	.0053	.0056	.0047	0043	.0163	.0158	.20
.25	.0056	.0057	.0049	0020	.0142	.0163	.25
.30	.0056	.0049	.0045	0016	.0152	.0174	.30
.35	.0064	.0035	.0036	0013	.0146	.0167	.35
•40	.0069	.0015	.0012	0022	.0153	.0155	.40
.45	.0072	0014	0020	0035	.0142	.0162	.45
•50	.0078	0053	0024	0034	.0130	.0149	.50
•55	.0079	0104	0039	0047	.0106	.0138	•55
•60	.0085	0181	0065	0075	.0068	.0106	.60
•65	.0086	0266	0123	0145	0002	.0033	.65
•70	.0087	0259	0169	0254	0129	0106	.70
• 75	0085	0100	.0049	0007	.0142	.0190	•75
.80		0015	.0146	.0099	.0247	.0300	.80
. 85		.0060	.0225	.0162	.0319	.0362	.85
• 90		.0220	.0311	.0186	.0375	.0435	•90

TEST 1514 BATCH 4 RUN 38 POINT 290

Q = 451.17 HO = 1051.6 PINF = 286.5 R/FT = 2.001

MACH= 1.500 ALPHA= 3.61 BETA = 0.00.

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0307	0314	0315	0236	0136	0120	0.00
•05	0295	0296	0304	0337	0145	0151	•05
.10	0291	0292	0298	0329	0197	0237	.10
.15	0294	0291	0302	0303	0248	0209	.15
.20	0293	0292	0301	0334	0210	0169	.20
•25	0296	0296	0303	0306	0254	0191	.25
.30	0296	0305	0316	0325	0259	0199	.30
.35	0254	0336	0345	0367	0280	0193	•35
.40	0241	0373	0405	0410	0286	0210	.40
. 45	0211	0421	0455	0457	0305	0212	.45
.50	0189	0489	0481	0483	0323	0254	•50
.55	0168	0571	0568	0508	0347	0284	.55
.60	0142	0672	0608	0550	0388	0333	.60
.65	0130	0774	0703	0640	0467	0425	•65
.70	0129	0780	0786	0750	0564	0513	.70
.75	0061	0598	0554	0380	0360	0414	.75
.80		0563	0564	0845	1021	0926	.80
.85		1057	0945	1587	1416	1291	.85
.90		0942	1361	1792	1400	1285	.90

TEST 1514 BATCH 4 RUN 38 POINT 291

Q = 451.00 HO = 1051.2 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 4.57 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0369	0378	0379	0251	0204	0174	0.00
.05	0360	0359	0366	0389	0217	0210	.05
.10	0359	0360	0369	0418	0281	0315	.10
.15	0359	0359	0369	0361	0321	0277	.15
.20	0360	0360	0369	0380	0285	0245	.20
.25	0358	0358	0367	0350	0327	0256	.25
.30	0359	0370	0381	0376	0332	0260	.30
.35	0313	0403	0411	0420	0356	0248	.35
.40	0298	0440	0478	0472	0345	0261	.40
•45	0262	0488	0518	0523	0357	0265	•45
•50	0240	0558	0544	0527	0370	0312	.50
•55	0215	0633	0615	0529	0388	0335	•55
.60	0184	0734	0675	0564	0415	0358	.60
.65	0171	0858	0746	0624	0441	0390	•65
.70	0168	0825	0748	0514	0366	0404	.70
.75	0071	0575	0878	1105	1353	1278	.75
.80		1261	1495	2189	2067	1959	.80
.85		<del></del> 1875	1962	2338	2069	1934	.85
•90		1170	1926	2148	1854	1821	•90

TEST 1514 BATCH 4 RUN 38 POINT 292

Q = 451.04 HO = 1051.3 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 5.55 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0435	0447	0448	0268	0327	0243	0.00
.05	0426	0429	0437	0421	0322	0282	.05
.10	0426	0430	0438	0494	0353	0379	.10
.15	0423	0426	0435	0423	0372	0333	.15
.20	0422	0425	0434	0464	<b></b> 0345	0312	.20
.25	0422	0427	0433	0446	0379	0311	.25
.30	0425	0440	0447	0457	0378	0314	.30
.35	0375	0474	0470	0467	0410	0311	•35
.40	0353	0513	0522	0502	0389	0331	.40
.45	0319	0571	0555	0567	0404	0336	.45
.50	0294	0649	0571	0569	0414	0362	•50
•55	0265	0735	0607	0551	0417	0358	•55
.60	0234	0854	0667	0529	0391	0325	.60
.65	0217	0951	0740	0497	0335	0322	•65
.70	0215	0853	1159	1152	1249	1268	.70
.75	0095	0653	1924	2469	2440	2360	.75
.80		2232	2356	2866	2688	2578	.80
.85		2345	2394	2734	2540	2454	.85
.90		1461	2284	2531	2298	2301	.90

TEST 1514 BATCH 4 RUN 38 POINT 293

Q = 451.13 HO = 1051.5 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 7.58 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0618	0629	0632	0505	0521	0467	0.00
.05	0606	0607	0618	0609	0541	0475	.05
.10	0605	0607	0617	0699	0627	0624	.10
.15	0605	0606	0618	0692	0587	0511	.15
.20	0605	0608	0618	0706	0551	0481	.20
.25	0605	0608	0618	0691	0561	0493	.25
.30	0608	0623	0632	0691	0535	0505	.30
•35	0544	0661	0657	0680	0528	0527	.35
•40	0521	0709	0718	0675	0505	0538	.40
•45	0476	0770	0732	0655	0483	0502	.45
.50	0446	0856	0726	0620	0486	0551	•50
•55	0409	0947	0696	0722	0743	0898	•55
.60	0370	1072	0725	1682	1964	2121	.60
.65	0354	1125	1664	3143	3195	3186	•65
.70	0352	1140	3744	3626	3077	2852	.70
.75	0153	2583	3332	3510	3086	2891	.75
.80		3279	3056	2934	2813	2659	.80
.85		3197	2889	2762	2528	2464	.85
.90		1888	2832	2687	2549	2550	•90

TEST 1514 BATCH 4 RUN 38 POINT 294

Q = 450.79 HO = 1050.7 PINF = 286.2 R/FT = 2.000

MACH= 1.500 ALPHA= 11.58 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1305	1315	1321	1070	1043	1043	0.00
.05	1294	1296	1306	1168	1060	1065	•05
.10	1290	1290	1300	1186	1124	1145	.10
.15	1287	1288	1298	1188	1135	1054	.15
.20	1293	1295	1305	1082	1056	0987	.20
.25	1293	1296	1306	0939	1127	1058	•25
.30	1295	1310	1333	1107	1174	1152	.30
.35	1192	1341	1385	1362	1335	1361	.35
.40	<b></b> 1155	1386	1491	1783	1664	1767	.40
.45	1090	1446	1507	2423	2290	2381	.45
.50	1043	1526	1799	3199	3124	3198	.50
•55	0999	1613	2258	3998	3972	3989	• 55
.60	0939	1672	3020	4412	4214	4292	.60
.65	0912	1995	3857	3746	3500	3498	.65
.70	0912	3563	<b></b> 3750	3463	3443	3371	.70
.75	0351	4466	3825	3504	3586	3511	.75
.80		4288	3921	3609	3512	3421	.80
.85		4293	3436	3179	3038	2973	.85
•90		2427	3501	3103	2992	3055	.90

TEST 1514 BATCH 4 RUN 39 POINT 295

Q = 456.90 HO = 1114.8 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= -.32 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0045	.0041	.0039	.0116	.0111	.0107	0.00
.05	.0054	.0058	.0051	.0061	.0122	.0115	.05
.10	.0055	.0059	.0052	.0069	.0119	.0034	.10
.15	.0054	.0058	.0050	.0092	.0102	.0076	.15
.20	.0054	.0058	.0050	.0070	.0131	.0104	.20
.25	.0054	.0057	.0049	.0085	.0115	.0105	.25
.30	.0053	.0053	.0048	.0089	.0124	.0118	.30
.35	.0058	.0044	.0047	.0087	.0119	.0120	•35
.40	.0060	.0033	.0035	.0073	.0120	.0118	.40
.45	.0062	.0017	.0006	.0057	.0115	.0118	•45
.50	.0068	0005	0004	.0051	.0104	.0094	.50
•55	.0068	0031	0019	.0036	.0088	.0085	.55
.60	.0072	0082	0046	.0018	.0056	.0063	.60
.65	.0074	0158	0105	0035	0004	.0008	.65
.70	.0075	0155	0166	0139	0131	0126	.70
.75	.0540	.0010	.0049	.0093	.0142	.0147	.75
.80		.0087	.0137	.0187	.0269	.0243	.80
.85		.0180	.0220	.0257	.0343	.0313	.85
•90		.0237	.0305	.0288	.0352	.0398	.90

TEST 1514 BATCH 4 RUN 39 POINT 296

Q = 457.18 HO = 1115.5 PINF = 226.0 R/FT = 2.004

MACH= 1.700 ALPHA= 3.73 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0269	0276	0276	0159	0165	0183	0.00
• 05	0259	0256	0262	0243	0167	0192	.05
.10	0258	0255	0261	0251	0194	0255	.10
•15	0257	0256	0262	0236	0235	0226	.15
.20	0259	0255	0262	0278	0207	0192	.20
• 25	0258	0257	0263	0258	0243	0206	.25
.30	0259	0266	0273	0287	0260	0245	.30
• 35	0219	0295	0295	0339	0287	0270	.35
•40	0208	0331	0342	0371	0294	0311	.40
• 45	0180	0374	0396	0403	0330	0316	.45
•50	0160	0440	0430	0414	0350	0343	•50
• 55	0141	0515	0513	0452	0375	0372	• 55
.60	0116	0606	0548	0499	0414	0420	.60
•65	0105	0711	0645	0589	0486	0510	•65
•70	0104	0720	0732	0715	0610	0639	.70
.75	.0369	0534	0536	0439	0318	0333	.75
.80		0559	0561	0661	0767	0773	.80
.85		0954	0865	1197	1322	1225	.85
• 90		0256	1288	1475	1348	1252	.90

TEST 1514 BATCH 4 RUN 39 POINT 297

Q = 456.94 HO = 1114.9 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 4.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0328	0334	0334	0193	0219	0254	0.00
• 05	0321	0316	0322	0295	0226	0272	.05
.10	0321	0317	0323	0357	0291	0322	.10
•15	0319	0315	0322	0330	0312	0278	.15
•20	0322	0317	0325	0381	0284	0253	.20
• 25	0318	0317	0322	0361	0310	0277	.25
.30	0319	0326	0335	0363	0330	0328	.30
• 35	0274	0361	0364	0393	0358	0339	.35
•40	0257	0397	0430	0417	0353	0364	.40
• 45	0224	0449	0472	0457	0384	0363	•45
• 50	0203	0523	0486	0460	0398	0387	.50
• 55	0180	0610	0569	0479	0410	0415	.55
•60	0152	0713	0648	0540	0434	0452	.60
• 65	0140	0832	0680	0612	0477	0505	.65
.70	0138	0775	0735	0607	0432	0463	.70
.75	.0254	0513	0919	1062	1192	1181	.75
.80		1408	1392	1754	1887	<b></b> 1790	.80
<b>.</b> 85		1685	1819	1925	1911	1841	.85
<b>. 9</b> 0		0619	1802	1842	1757	1701	•90

TEST 1514 BATCH 4 RUN 39 POINT 298

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 5.72 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0388	0395	0395	0263	0313	0324	0.00
.05	0381	0380	0384	0356	0317	0348	•05
.10	0381	0378	0385	0462	0379	0394	.10
.15	0379	0378	0384	0411	0391	0340	.15
.20	0377	0375	0383	0440	0369	0327	.20
.25	0377	0377	0382	0430	0387	0352	.25
.30	0378	0388	0397	0425	0375	0384	.30
.35	0329	0422	0423	0419	0412	0390	•35
.40	0311	0465	0490	0444	0402	0405	.40
.45	0275	0520	0521	0499	0407	0394	.45
.50	0250	0597	0534	0526	0418	0418	•50
•55	0223	0679	0557	0490	0402	0412	• 55
.60	0192	0790	0699	0525	0423	0425	•60
.65	0176	0888	0818	0837	0653	0706	•65
.70	0175	0793	1282	1487	1517	1557	.70
.75	.0145	0882	1868	2118	2282	2154	•75
.80		2270	2139	2322	2379	2289	.80
.85		2156	2185	2259	2226	2203	.85
.90		0981	2063	2164	2101	2041	.90

TEST 1514 BATCH 4 RUN 39 POINT 299

Q = 457.10 HO = 1115.3 PINF = 226.0 R/FT = 2.004

MACH= 1.700 ALPHA= 7.71 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0556	0565	0563	0484	0534	0522	0.00
.05	0547	0544	0550	0555	0511	0506	.05
.10	0546	0545	0550	0619	0586	0642	.10
.15	0548	0546	0550	0641	0578	0560	.15
.20	0545	0544	0548	0618	0554	0538	.20
.25	0546	0546	0552	0603	0568	0537	.25
.30	0542	0553	0560	0592	0536	0523	.30
.35	0480	0589	0593	0575	0526	0533	•35
.40	0460	0635	0661	0571	0496	0536	.40
.45	0413	0690	0666	0548	0466	0495	.45
.50	0384	0770	0651	0605	0596	0657	.50
.55	0351	0853	0607	1240	1471	1536	• 55
.60	0312	0952	0918	2451	2544	2616	.60
.65	0293	1000	2201	2841	2794	2812	•65
.70	0292	1267	3092	2753	2657	2463	.70
.75	.0026	2830	2831	2679	2608	2448	.75
.80		2914	2616	2391	2386	2246	.80
.85		2870	2467	2311	2180	2134	.85
.90		1367	2412	2297	2186	2137	.90

TEST 1514 BATCH 4 RUN 39 POINT 300

Q = 456.90 HO = 1114.8 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.75 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1240	1250	1250	1014	1009	0987	0.00
.05	1233	1236	1238	1078	1008	1030	.05
.10	1234	1239	1239	1099	1052	1113	.10
.15	1234	1237	1239	1099	1031	1022	.15
.20	1232	1235	1238	0996	0959	0961	.20
.25	1231	1235	1239	0848	1002	1036	.25
.30	1229	1247	1258	1000	1083	1153	.30
•35	1125	1298	1313	1291	1336	1421	.35
.40	1088	1352	1412	1819	1781	1876	.40
•45	1007	1417	1308	2511	2434	2461	.45
•50	0960	1522	1589	3182	3124	3109	.50
•55	0904	1630	2089	3670	3633	3618	•55
.60	0839	1709	<b></b> 2771	3388	3192	3185	.60
•65	0805	1947	3324	3142	3008	2990	.65
.70	0803	3397	3148	3064	3012	2972	.70
•75	0139	3746	3198	3157	3163	3118	.75
.80		3613	3182	3023	2800	2723	.80
.85		3531	2833	2704	2632	2608	.85
•90		1648	2893	2673	2682	2673	•90

TEST 1514 BATCH 4 RUN 40 POINT 301

Q = 449.11 HO = 1255.0 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= -.42 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0031	0038	0035	.0036	.0016	.0043	0.00
• 05	0023	0022	0023	.0003	.0030	.0052	.05
.10	0020	0022	0021	.0012	.0024	0018	.10
.15	0021	0022	0022	.0038	.0003	.0012	.15
.20	0020	0020	0021	.0005	.0020	.0032	.20
. 25	0019	0021	0021	.0002	.0010	.0034	.25
.30	0021	0022	0025	.0002	.0022	.0043	.30
• 35	0018	0029	0028	.0002	.0017	.0033	.35
.40	0018	0034	0043	0007	.0009	.0016	.40
• 45	0014	0041	0072	0008	0004	.0013	.45
• 50	0015	0053	0083	0010	0017	0005	.50
• 55	0014	0063	0098	0017	0030	0012	•55
.60	0012	0095	0128	0039	0053	0045	.60
•65	0011	0178	0199	0095	0103	0119	.65
.70	0009	0167	0245	0186	0208	0243	.70
• 75	.0617	.0006	0029	.0031	.0047	.0028	.75
.80		.0086	.0073	.0118	.0145	.0124	.80
.85		.0169	.0166	.0190	.0218	.0200	.85
<b>.9</b> 0		.0281	.0251	.0239	.0277	.0285	.90

TEST 1514 BATCH 4 RUN 40 POINT 302

Q = 449.14 HO = 1255.1 PINF = 160.4 R/FT = 2.003

MACH= 2.000 ALPHA= 3.61 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ΕTA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0307	0316	0311	0242	0257	0268	0.00
.05	0299	0300	0300	0295	0243	0295	•05
.10	0299	0301	0300	0318	0258	0322	.10
.15	0300	0302	0302	0297	0259	0295	.15
.20	0298	0300	0300	0329	0239	0283	.20
.25	0299	0302	0300	0324	0275	0299	.25
.30	0296	0308	0305	0323	0319	0333	.30
.35	0259	0336	0318	0387	0371	0349	.35
•40	0247	0369	0349	0423	0377	0386	.40
• 45	0219	0409	0401	0427	0430	0418	.45
•50	0201	0471	0443	0430	0461	0451	.50
.55	0181	0537	0525	0484	0487	0486	.55
.60	0158	0618	0569	0535	0534	0536	.60
.65	0145	0721	0642	0629	0610	0624	.65
.70	0146	0713	0704	0734	0749	0765	.70
.75	.0409	0529	0526	0518	0488	0500	.75
.80		0602	0510	0531	0505	0532	.80
.85		1051	0770	0737	0791	0787	.85
.90		0111	1217	1127	1086	1014	.90
• > 0							

TEST 1514 BATCH 4 RUN 40 POINT 303

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 4.62 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0364	0372	0366	0298	0313	0331	0.00
.05	0356	0357	0356	0353	0296	0359	.05
.10	0354	0356	0354	0419	0328	0391	.10
.15	0357	0357	0355	0384	0319	0361	.15
.20	0355	0356	0355	0406	0307	0355	.20
.25	0356	0359	0356	0398	0343	0365	.25
.30	0356	0366	0362	0390	0373	0408	.30
.35	0310	0395	0375	0425	0471	0450	.35
•40	0293	0430	0406	0514	0448	0445	•40
.45	0260	0476	0446	0538	0471	0468	•45
.50	0239	0545	0477	0510	0515	0516	•50
• 55	0215	0620	0577	0531	0551	0549	.55
.60	0187	0711	0691	0607	0597	0586	.60
•65	0174	0797	0692	0679	0658	0651	.65
.70	0175	0749	0770	0726	0709	0718	.70
.75	.0281	0716	0906	0893	0897	0923	•75
.80		1493	1229	1286	1332	1344	.80
.85		1513	1565	1523	1541	1524	.85
.90		0377	1532	1614	1562	1497	.90

TEST 1514 BATCH 4 RUN 40 POINT 304

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 5.63 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0422	0427	0422	0382	0382	0409	0.00
•05	0410	0410	0409	0432	0357	0422	.05
.10	0411	0408	0408	0514	0399	0464	.10
.15	0413	0410	0410	0468	0388	0427	.15
.20	0409	0408	0409	0470	0382	0423	.20
•25	0410	0409	0409	0465	0407	0431	.25
.30	0410	0418	0416	0456	0398	0422	.30
• 35	0359	0451	0431	0438	0427	0474	.35
•40	0340	0491	0467	0450	0491	0478	.40
• 45	0302	0541	0492	0537	0499	0473	•45
•50	0278	0616	0500	0704	0607	0618	.50
•55	0249	0697	0545	0739	0797	0765	•55
.60	0218	0798	0927	0898	0909	0921	.60
•65	0202	0849	0981	1054	1035	1088	•65
.70	0202	0737	1188	1303	1384	1434	.70
•75	.0164	1552	1545	1607	1704	1674	.75
•80		2008	1808	1776	1800	1773	.80
- 85		1864	1838	1807	1748	1723	.85
•90		0626	<b></b> 1761	1757	1708	1663	.90

TEST 1514 BATCH 4 RUN 40 POINT 305

Q = 449.14 HO = 1255.1 PINF = 160.4 R/FT = 2.003

MACH= 2.000 ALPHA= 7.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0570	0574	0571	0520	05240		
.05	0560	0558	0558	0577	0498	0579	.05
.10	0563	0560	0561	0603	0558	0674	.10
•15	0562	0559	0560	0682	0573	0590	.15
•20	0562	0559	0560	0639	0560	0575	.20
•25	0561	0558	0560	0624	0573	0575	.25
•30	0561	0570	0571	0610	0549	0553	.30
• 35	0494	0605	0593	0593	0541	0541	.35
•40	0467	0645	0633	0585	0534	0550	.40
• 45	0419	0702	0645	0645	0677	0689	•45
•50	0385	0776	0671	1123	1370	1422	.50
• 55	0350	0864	0864	1999	2122	2135	•55
•60	0308	0954	1697	2253	2221	2237	•60
• 65	0290	0987	2176	2176	2139	2147	•65
.70	0290	1949	2320	2028	2009	1971	.70
• 75	.0072	2592	2236	1962	1956	1943	•75
.80		2501	2114	1862	1821	1790	.80
<b>.</b> 85		2396	2070	1855	1797	1742	.85
• 90		0811	2007	1845	1801	1764	.90

TEST 1514 BATCH 4 RUN 40 POINT 306

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 11.60 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

1004 1004 0050 0001 0011	7 0.00
0.00 $1222$ $1226$ $1224$ $0958$ $0901$ $0917$	
.05122112171219100409150964	.05
.10121812191218105609881023	.10
.15122012191221109009570950	.15
.20122112191220093108920892	.20
.25122012171220072909540983	2 .25
.30121912331252091711211149	.30
.3510891279132613511465147	• 35
.40104213371461191319601953	2 .40
.4509451414129824162451241	7 .45
.5008891523148327682791276	•50
.5508231645193627412648264	4 .55
.6007421755239426122512248	9 .60
.6507151798263525062493244	3 .65
.7007072839253924402572248	.70
.7500722913255623902414227	8 .75
.802867252422582188211	1 .80
.852740234422092178219	9 .85
.900964231921992183218	5 .90

TEST 1514 BATCH 5 RUN 41 POINT 330

Q = 450.96 HO = 1051.1 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= -.43 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0253	.0248	.0219	0245	.0053	.0173	0.00
.05	.0229	.0275	.0218	0325	.0076	.0146	.05
.10	.0247	.0292	.0223	0308	.0088	.0046	.10
.15	.0268	.0254	.0230	0264	.0086	.0088	.15
.20	.0285	.0270	.0279	0255	.0126	.0123	.20
.25	.0271	.0272	.0253	0229	.0134	.0136	.25
.30	.0270	.0252	.0239	0232	.0127	.0160	.30
.35	.0220	.0265	.0227	0258	.0114	.0173	•35
.40	.0224	.0238	.0222	0231	.0117	.0168	.40
.45	.0210	.0210	.0202	0185	.0098	.0121	•45
•50	.0175	.0176	.0156	0163	.0054	.0108	.50
•55	.0164	.0144	.0160	0133	.0039	.0115	•55
.60	0084	.0066	.0099	0202	0094	0115	.60
.65	0006	0059	0034	0261	0333	0230	.65
.70	.0177	.0003	0007	0204	0192	0088	.70
.75	.0445	.0234	.0307	.0201	.0171	.0262	.75
.80		.0369	.0411	.0324	.0321	.0411	.80
.85		.0448	.0485	.0430	.0410	.0513	.85
.90		.5136	.0563	.0517	.0503	.0589	.90

TEST 1514 BATCH 5 RUN 41 POINT 331

Q = 450.87 HO = 1050.9 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 3.58 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0095	0127	0063	0582	0187	0149	0.00
.05	0117	0096	0065	0648	0180	0156	.05
.10	0089	0080	0064	0640	0220	0253	.10
•15	0074	0102	0057	0602	0282	0218	.15
.20	0059	0071	0014	0583	0239	0177	.20
•25	0092	0055	0033	0546	0202	0154	.25
•30	0297	0084	0033	0550	0182	0106	.30
•35	0455	0119	0097	0463	0259	0156	.35
•40	0465	0381	0382	0661	0689	0539	.40
•45	0429	0676	0764	1116	0925	0701	.45
•50	0547	0688	0696	1053	0727	0772	•50
•55	0505	0565	0582	0867	0887	0937	.55
.60	0592	0527	0577	0812	0927	0774	.60
•65	0599	0554	0592	0823	0833	0735	•65
.70	0279	0494	0538	0731	0738	0622	.70
.75	0164	0263	0273	0317	0384	0296	.75
.80		0122	0184	0180	0249	0154	.80
•85		0038	0115	0103	0168	0065	.85
•90		•4487	0123	0149	0104	.0004	•90

TEST 1514 BATCH 5 RUN 41 POINT 332

Q = 451.30 HO = 1051.9 PINF = 286.5 R/FT = 2.002

MACH= 1.500 ALPHA= 7.62 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0342	0363	0384	0784	0502	0396	0.00
• 05	0372	0329	0363	0842	0504	0378	.05
.10	0329	0307	0345	0843	0508	0457	.10
•15	0417	0327	0318	0827	0526	0410	.15
•20	0449	0357	0263	0842	0483	0378	.20
• 25	0591	0345	0254	0800	0471	0411	.25
•30	0925	0534	0293	0847	0522	0489	.30
• 35	1086	0856	0561	0845	0630	0562	.35
•40	0957	1147	0989	1010	0775	0694	.40
• 45	0997	1131	1219	1271	1129	1067	.45
• 50	0934	1112	1339	1603	1557	1628	.50
• 55	1008	1133	1322	1641	<b>1722</b>	1831	.55
•60	0971	1154	1293	1600	1742	1589	.60
• 65	1337	1203	1341	1541	1634	1335	.65
.70	1669	1624	1747	1906	1666	1345	.70
• 75	2408	2209	2140	2284	1929	1935	.75
.80		2533	2456	2454	2200	2262	.80
• 85		2541	2360	2327	2278	2277	.85
• 90		.3745	2203	2146	2204	2321	•90

TEST 1514 BATCH 5 RUN 41 POINT 333

Q = 451.09 HO = 1051.4 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= 9.60 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0588	0584	0617	1080	0729	0616	0.00
.05	0629	0558	0603	1167	0738	0627	.05
.10	0668	0554	<b></b> 0599	1176	0782	0738	.10
.15	0791	0629	0639	1153	0814	0676	.15
.20	0667	0708	0694	1050	0768	0634	.20
• 25	0722	0684	0685	0999	0764	0683	.25
.30	1269	0749	0738	1047	0817	0758	.30
• 35	1591	0901	0938	1147	1005	0981	•35
•40	2433	1413	1366	1493	1465	1504	.40
• 45	2676	2249	2152	2216	2358	2429	• 45
•50	2408	3018	3041	3129	3305	3273	.50
• 55	2610	3252	3369	3702	3256	2822	•55
•60	2217	2976	2941	3113	2455	2196	.60
•65	2470	2611	2505	2613	2278	2134	.65
.70	2306	2405	2332	2433	2178	2026	.70
.75	2407	2303	2243	2347	2146	2333	.75
.80		22 <b>9</b> 2	2194	2129	2301	2376	.80
• 85		2283	2196	2077	<b></b> 2359	2350	.85
•90		.3163	2156	2027	2310	2456	.90

TEST 1514 BATCH 5 RUN 41 POINT 334

Q = 450.92 HO = 1051.0 PINF = 286.3 R/FT = 2.000

MACH= 1.500 ALPHA= 11.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0781	0848	0783	1298	0919	0969	0.00
.05	0810	0826	0785	1400	0958	0990	.05
.10	1127	0875	0840	1465	1059	1073	.10
.15	1311	1089	1047	1535	1033	0947	.15
•20	1006	1265	1215	1345	0962	0887	.20
•25	1080	1158	1045	1252	1023	1003	.25
.30	1856	1312	1179	1410	1245	1223	.30
• 35	2216	1652	1608	1716	1690	1664	.35
•40	3291	2267	2266	2227	2380	2393	.40
.45	3460	3045	3095	2965	3241	3266	.45
•50	3318	3631	3857	3771	4012	3964	•50
• 55	3234	3402	3645	3864	3342	3148	•55
.60	<b></b> 3125	3117	3132	3132	2973	2896	.60
•65	3023	2959	2916	2993	2900	2886	.65
.70	2648	2878	2834	2982	2876	2812	.70
•75	2591	2760	2749	2860	2644	2638	.75
.80		2724	2622	2615	2676	2720	.80
.85		2699	2614	2586	2696	2751	.85
•90		.2561	2618	2527	2677	2856	.90

TEST 1514 BATCH 5 RUN 42 POINT 335

Q = 456.57 HO = 1114.0 PINF = 225.7 R/FT = 2.001

MACH= 1.700 ALPHA= -.28 BETA = 0.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0275	.0250	.0240	0174	•0057	.0099	0.00
.05	.0263	.0281	.0251	0230	.0073	.0110	.05
.10	.0269	.0292	.0259	0215	.0067	.0035	.10
.15	.0275	.0268	.0275	0171	.0055	.0061	.15
.20	.0292	.0283	.0323	0147	.0087	.0090	.20
.25	.0287	.0279	.0304	0129	.0099	.0092	.25
.30	.0267	.0266	.0288	0128	.0093	.0116	.30
.35	.0241	.0281	.0274	0088	.0081	.0134	.35
.40	.0228	.0258	.0261	0058	.0079	.0139	.40
.45	.0220	.0227	.0233	0024	.0059	.0081	.45
.50	.0172	.0198	.0179	0014	.0008	.0053	•50
.55	.0165	.0158	.0154	0006	0007	.0055	•55
.60	0075	.0078	.0077	0062	0121	0183	.60
.65	.0029	0043	0054	0109	0350	0284	.65
.70	.0276	.0043	0003	0012	0193	0119	.70
.75	.0474	.0306	.0309	.0341	.0190	.0227	.75
.80		.0446	.0427	.0439	.0356	.0364	.80
.85		.0536	.0498	.0501	.0477	.0457	.85
•90°		.3160	.0573	.0581	.0584	.0562	.90

TEST 1514 BATCH 5 RUN 42 POINT 336

Q = 456.65 HO = 1114.2 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 3.70 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0059	0086	0075	0446	0215	0214	0.00
.05	0076	0056	0062	0500	0203	0198	•05
.10	0049	0041	0047	0485	0205	0257	.10
•15	0053	0058	0028	0448	0252	0224	.15
.20	0044	0038	.0030	0443	0220	0189	.20
•25	0057	0024	.0027	0424	0206	0178	.25
.30	0290	0053	.0024	0446	0194	0145	.30
•35	0434	0116	0051	0362	0268	0260	.35
•40	0486	0395	0361	0581	0687	0704	•40
•45	0381	0665	0735	0971	0880	0762	.45
•50	0514	0642	0655	0864	0674	0718	•50
•55	0453	0536	0543	0695	0788	0962	•55
.60	0548	0523	0527	0637	0901	0829	.60
•65	0536	0544	0535	0631	0821	0771	•65
.70	0156	0472	0495	0560	0681	0655	.70
.75	0130	0229	0232	0206	0294	0305	.75
.80		0087	0139	0095	0173	0170	.80
.85		.0036	0083	0016	0107	0079	•85
.90		.3121	0064	.0027	0037	.0001	•90

TEST 1514 BATCH 5 RUN 42 POINT 337

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 7.71 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0293	0313	0317	0695	0486	0446	0.00
•05	0306	0280	0303	0744	0470	0419	.05
.10	0314	0257	0291	0747	0485	0469	.10
.15	0478	0257	0273	0716	0521	0430	.15
.20	0512	0327	0239	0675	0483	0401	.20
.25	0596	0317	0220	0634	0460	0437	.25
.30	0914	0580	0315	0662	0500	0520	.30
•35	0854	0913	0715	0748	0786	0829	.35
.40	0832	1016	1124	1163	1204	1175	.40
• 45	0788	0914	1224	1443	1349	1304	.45
•50	0843	0889	1098	1468	1306	1336	•50
• 55	0946	0914	0994	1266	1228	1291	•55
.60	0920	0953	0975	1167	1287	<b></b> 1285	.60
•65	1201	0965	1022	1110	1337	1236	•65
.70	1444	1213	1323	1435	1536	1329	.70
.75	2028	1757	1787	1863	1859	1682	.75
.80		2194	2202	2089	2029	1997	.80
.85		2312	2210	2088	2089	2065	.85
.90		.3084	2057	1954	2060	2021	.90

TEST 1514 BATCH 5 RUN 42 POINT 338

Q = 456.77 HO = 1114.5 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 9.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0474	0479	0554	0932	0705	0663	0.00
.05	0479	0452	0534	0988	0694	0669	.05
.10	0556	0451	0528	0994	0718	0741	.10
.15	0768	0512	0568	0990	0718	0680	.15
.20	0590	0631	0647	0915	0675	0642	.20
.25	0788	0607	0613	0870	0680	0684	•25
.30	1300	0711	0694	0950	0775	0782	.30
.35	1778	0948	0948	1076	1054	1067	.35
.40	2150	1508	1447	1509	1652	1691	.40
•45	2132	2231	2178	2222	2500	2546	.45
•50	2024	2642	2746	2882	3061	3001	.50
• 55	1951	2497	2598	2820	2499	2277	•55
.60	1870	2242	2217	2361	2156	1993	.60
.65	2129	2053	2045	2157	2133	2002	.65
.70	1991	1968	1949	2046	1942	1806	.70
•75	2076	2028	1956	1946	1946	2035	.75
.80		2069	2000	1915	1986	2039	.80
.85		2033	1942	1845	2041	2011	.85
•90		.3046	1895	1810	2033	2067	.90

TEST 1514 BATCH 5 RUN 42 POINT 339

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0631	0705	0676	1124	0911	0890	0.00
.05	0696	0689	0673	1199	0912	0951	.05
.10	1020	0743	0727	1286	0999	1040	.10
.15	1320	0963	0951	<b></b> 1395	0980	0922	.15
.20	0954	1161	1180	1188	0914	0865	.20
.25	1063	1035	1003	1088	0984	1007	.25
.30	1773	1208	1151	1271	1230	1278	.30
.35	2184	1586	1592	1611	1704	1759	.35
.40	2834	2186	2207	2194	2358	2425	.40
.45	2852	2816	2857	2854	3048	3096	•45
.50	2703	2946	3150	3378	3236	3063	.50
.55	2663	2724	2839	2943	2691	2609	•55
.60	2534	2580	2603	2699	2618	2526	.60
.65	2373	2518	2516	2630	2641	2596	.65
.70	2251	2354	2418	2559	2363	2255	.70
.75	2310	2387	2346	2338	2300	2365	.75
.80		2408	2334	2280	2382	2415	.80
.85		2357	2295	2253	2390	2396	.85
.90		.3006	2274	2189	2366	2413	.90

## TEST 1514 BATCH 5 RUN 42 POINT 340

Q = 456.65 HO = 1114.2 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 15.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0906	0960	0909	1397	1466	1290	0.00
.05	1174	1023	0977	1540	1566	1504	•05
.10	2333	1365	1302	1961	1770	1799	.10
.15	2564	2160	2142	2682	1612	1634	.15
.20	2234	2356	2369	2122	1525	<b></b> 1522	.20
.25	2529	2397	2455	2119	1520	<b></b> 1753	.25
.30	2276	2019	1964	1849	1951	2176	.30
.35	2500	2197	2146	2136	2509	2681	.35
.40	3294	2740	2690	2681	3056	<b></b> 3187	.40
.45	3368	3236	3204	3197	3537	3623	•45
•50	3291	3475	3575	3635	3858	3703	•50
.55	3210	3324	3404	3606	3454	3298	• 55
.60	3237	3236	3243	3306	3302	3266	.60
.65	3123	3183	3176	3240	3276	3318	•65
.70	2664	3121	3162	3238	3290	3239	.70
.75	2815	2946	2969	3103	2931	2900	.75
.80		2886	2845	2825	2876	2947	.80
.85		2862	2838	2816	2945	2955	.85
.90		.2947	2830	2790	2908	3042	.90

TEST 1514 BATCH 5 RUN 42 POINT 341

Q = 456.32 HO = 1113.4 PINF = 225.6 R/FT = 2.000

MACH= 1.700 ALPHA= 5.72 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ЕТА
0.00	0191	0210	0189	0546	0346	0341	0.00
.05	0195	0180	0180	0598	0336	0331	.05
.10	0190	0166	0181	0620	0364	0376	.10
.15	0189	0177	0174	0610	0398	0297	.15
.20	0236	0191	0151	0611	0359	0253	•20
.25	0257	0183	0157	0573	0325	0276	.25
.30	0696	0259	0202	0594	0369	0384	.30
.35	0737	0518	0482	0692	0790	0873	•35
.40	0708	0934	0931	<del>-</del> .1145	1157	1071	•40
• 45	0576	0925	0984	1124	0884	0844	•45
•50	0728	0741	0753	0928	0839	0889	.50
•55	0691	0692	0692	0830	0981	1149	•55
•60	0763	0713	0706	0815	1084	1049	.60
•65	0724	0724	0730	0800	1054	0984	•65
.70	1073	0666	0700	0700	0928	0854	.70
• 75	1123	0490	0484	0363	0557	0550	.75
.80		0632	0676	0730	0830	0699	.80
.85		1037	1222	1238	1153	0960	.85
•90		.2891	1448	1353	1194	1162	•90

TEST 1514 BATCH 5 RUN 42 POINT 342

Q = 456.36 HO = 1113.5 PINF = 225.6 R/FT = 2.000

MACH= 1.700 ALPHA= 6.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0248	0262	0246	0621	0420	0397	0.00
• 05	0259	0228	0234	0675	0403	0378	.05
.10	0245	0209	0223	0684	0419	0404	.10
.15	0289	0216	0208	0662	0453	0322	.15
.20	0359	0240	0199	0642	0409	0307	•20
•25	0404	0230	0206	0600	0397	0381	.25
.30	0837	0389	0311	0699	0621	0678	.30
•35	0826	0735	0697	0960	1071	1052	•35
•40	0781	1012	1054	1205	0996	0840	•40
• 45	0692	0864	0907	0974	0852	0779	.45
•50	0792	0743	0768	0905	0831	0878	•50
• 55	0696	0714	0725	0832	0927	1108	•55
•60	0850	0748	0738	0819	1089	1123	.60
•65	0736	0772	0752	0811	1159	1101	.65
.70	0843	0777	0748	0747	1020	0984	.70
• 75	1774	0992	0921	1006	1127	1021	.75
.80		1521	1607	1658	1630	<b></b> 1415	.80
.85		1930	2014	1941	1817	1742	.85
•90		.2886	1899	1894	1772	1737	.90

TEST 1514 BATCH 5 RUN 42 POINT 343

Q = 456.69 HO = 1114.3 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 8.72 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0367	0401	0449	0829	0603	0546	0.00
.05	0378	0361	0440	0888	0591	0556	.05
.10	0444	0339	0431	0894	0603	0633	.10
.15	0618	0346	0430	0864	0613	0583	.15
.20	0599	0365	0420	0823	0575	0537	.20
.25	0705	0314	0402	0781	0559	0538	•25
.30	1185	0420	0422	0807	0596	0582	.30
.35	1425	0675	0556	0806	0769	0774	.35
.40	1225	1283	0992	1112	1259	1306	•40
.45	1464	1847	1726	1778	2079	2151	•45
.50	1240	2052	2260	2448	2543	2527	.50
.55	1522	1971	2309	2498	2269	2077	•55
.60	1486	1795	2093	2118	1922	1743	.60
.65	1914	1687	1892	1881	1860	1674	•65
.70	1882	1914	1901	1815	1830	1644	.70
.75	2044	2028	1885	1839	1837	1852	.75
.80	*	2115	1939	1864	1849	1934	.80
.85		2066	1858	1767	1895	1865	.85
.90		.2848	1783	1694	1900	1885	.90

TEST 1514 BATCH 5 RUN 43 POINT 344

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = -7.98

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1190	1390	1451	1841	1432	1273	0.00
.05	1275	1060	1138	1839	1301	1164	.05
.10	0933	0541	0649	1694	1090	1024	.10
.15	1192	0345	0230	1356	1012	1024	.15
.20	2037	2449	2462	1238	1000	0933	.20
.25	1066	2053	2140	1225	0772	0732	.25
.30	2789	2619	2430	1150	0741	0751	.30
.35	0981	2989	3168	1031	0808	0835	.35
.40	2582	2749	2895	1116	0878	0922	.40
•45	1227	2590	2622	1194	0998	1034	.45
.50	2442	2517	2536	1332	1171	1198	•50
.55	- 1761	2432	2407	1502	1413	1442	•55
.60	2435	2425	2387	1810	1749	1779	.60
.65	2416	2421	2404	2162	2136	2160	.65
.70	1994	2214	-,2000	2312	2264	2319	.70
.75	2448	2280	1772	2323	2289	2326	•75
.80	.2	2836	2541	2469	2459	2503	.80
.85		3037	3151	2495	2362	2369	.85
.90		.2826	3224	1978	1983	1989	.90
• , ,		. –					

TEST 1514 BATCH 5 RUN 43 POINT 345

Q = 456.77 HO = 1114.5 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = -3.98

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0679	0878	0795	1265	1073	0885	0.00
.05	0887	0718	0642	1354	1125	0951	.05
.10	1044	0576	0487	1407	1027	0909	.10
.15	1064	0722	0707	1312	0946	0872	•15
.20	1438	1644	1973	1131	0873	0764	.20
.25	0923	1463	1901	1066	0828	0791	.25
.30	2499	1864	1793	1106	0903	0866	.30
• 35	1236	2648	2666	1129	1017	0990	.35
.40	2434	2747	2697	1279	1207	1221	.40
.45	1953	2560	2445	1533	1560	1582	.45
•50	2376	2431	2362	1965	2053	2074	•50
•55	2653	2388	2347	2507	2602	2663	•55
.60	2489	2213	2233	3051	3114	3171	.60
•65	2487	2239	2290	2748	2751	2637	•65
.70	2567	2536	2557	2393	2417	2338	.70
.75	2321	2743	2764	2475	2454	2408	.75
.80		2924	2960	2517	2467	2344	.80
.85		2870	2987	2087	2092	2042	.85
.90		.2789	2918	2058	2131	2181	•90

TEST 1514 BATCH 5 RUN 43 POINT 346

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = -2.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0640	0745	0687	1143	0957	0887	0.00
.05	0793	0660	0619	1254	0969	0957	.05
.10	1083	0634	0600	1345	0982	0995	.10
.15	1132	0877	0848	1350	0925	0917	.15
•20	1220	1382	1473	1136	0847	0831	.20
.25	0930	1227	1314	1063	0847	0904	.25
.30	2421	1512	1469	1154	0987	1040	.30
•35	1560	2173	2223	1280	1246	1282	.35
.40	2577	2822	2926	1601	1634	1674	.40
• 45	2588	2769	2915	2105	2205	2249	.45
•50	2512	2592	2653	2713	2840	2841	.50
•55	2635	2484	2524	3247	3287	3262	•55
.60	2318	2474	2505	2977	2669	2610	.60
•65	2566	2253	2368	2615	2521	2469	•65
.70	2642	2620	2657	2518	2508	2476	.70
•75	2163	2642	2645	2560	2483	2416	.75
.80		2644	2626	2349	2227	2272	.80
.85		2598	2547	2128	2291	2313	.85
•90		.2765	2507	2113	2292	2332	.90

TEST 1514 BATCH 5 RUN 43 POINT 347

Q = 456.77 HO = 1114.5 PINF = 225.8 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = 2.01

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0670	0710	0709	1142	0937	0913	0.00
.05	0580	0741	0745	1161	0897	0929	.05
.10	0991	0838	0829	1205	1011	1090	.10
.15	1606	1013	0991	1431	1042	0951	.15
.20	0868	1088	1049	1343	0983	0951	.20
.25	<b></b> 1298	0995	0921	1116	1213	<b></b> 1273	•25
.30	1234	1081	0977	1548	1768	1862	.30
.35	2809	1271	<b></b> 1205	2212	2537	2632	•35
.40	2228	1654	1584	2962	3217	3280	•40
.45	2743	2179	2133	3310	2932	2753	•45
.50	2786	2723	2747	2821	2629	2507	•50
.55	2570	2987	3156	2657	2607	2447	•55
.60	2609	2786	2861	2622	2697	2562	•60
.65	2538	2597	2584	2501	2347	2175	.65
.70	2485	2496	2470	2540	2568	2699	.70
.75	2474	2459	2479	2538	2519	2575	•75
.80		2295	2272	2506	2558	2603	.80
.85		2272	2176	2428	2554	<b></b> 2551	.85
•90		.2730	2186	2371	2535	2611	•90

TEST 1514 BATCH 5 RUN 43 POINT 348

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.74 BETA = 3.99

X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0818	0861	0854	1249	1011	0946	0.00
0575	0887	0890	1186	0916	0874	•05
1016	0950	0958	1121	1055	1106	.10
1984	1041	1049	1410	1133	1009	.15
0893	1035	1023	1649	1098	1147	.20
1710	0966	0932	1255	1738	1886	.25
1056	0989	0942	2006	2640	2769	.30
2726	1070	1062	2919	3325	<b></b> 3386	•35
1674	1305	1263	3219	2885	2826	.40
2537	1648	1586	2731	2640	2543	•45
2552	2094	2065	2582	2607	2485	•50
2321	2604	2595	2539	2616	2495	•55
2590	2912	2998	2392	2403	2304	•60
2601	2731	2766	2343	2422	2330	•65
2506	2524	2462	2685	2556	2494	.70
	2560	2500	2715	2693	2630	•75
	2434	2471	2844	2792	2781	.80
	2152	2096	2825	2832	2826	.85
	.2691	2105	2724	2799	2876	•90
	0818 0575 1016 1984 0893 1710 1056 2726 1674 2537 2552 2321 2590	08180861 05750887 10160950 19841041 08931035 17100966 10560989 27261070 16741305 25371648 25522094 23212604 25902912 26012731 25062524 26002434 2152	0818	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

TEST 1514 BATCH 5 RUN 43 POINT 349

Q = 456.61 HO = 1114.1 PINF = 225.7 R/FT = 2.002

MACH= 1.700 ALPHA= 11.75 BETA = 8.02

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1325	1408	1378	1779	1410	1249	0.00
.05	0783	1323	1326	1597	1146	0947	.05
.10	1227	1265	1255	1201	1125	1500	.10
.15	2013	1230	1133	1338	2177	1900	.15
.20	1101	1184	1047	2402	1903	2166	.20
.25	2433	1117	1047	1834	3011	3227	.25
.30	0962	1005	0955	2923	3476	3467	.30
•35	<b></b> 2741	0901	0894	3351	3123	3318	.35
.40	1179	0992	0948	2890	2867	2928	.40
• 45	2599	1135	1085	2668	<b></b> 280 <b>9</b>	2839	.45
•50	1616	1316	1290	2593	2764	2791	.50
• 55	2424	1590	1564	2443	2765	<b></b> 2735	•55
•60	2379	1928	1893	2452	2763	2734	.60
•65	2327	2324	2319	2450	2746	2733	.65
.70	2476	2417	2402	1942	1886	1745	.70
.75	2519	2466	2433	1321	1191	1030	.75
.80		2541	2536	1611	1291	1108	.80
•85		2386	2422	2440	2213	1996	.85
.90		.2649	2032	3659	3281	2810	.90

TEST 1514 BATCH 5 RUN 44 POINT 350

Q = 228.20 HO = 556.8 PINF = 112.8 R/FT = 1.000

MACH= 1.700 ALPHA= -.28 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0264	.0262	.0259	0161	.0068	.0100	0.00
.05	.0267	.0294	.0279	0202	.0094	.0118	•05
.10	.0278	.0299	.0288	0182	.0091	.0075	.10
.15	.0274	.0296	.0296	0125	•0105	.0089	.15
.20	.0298	.0307	.0336	0108	.0110	.0091	•20
.25	.0288	.0297	.0321	0113	.0121	.0108	.25
•30	.0211	.0285	.0309	0113	.0115	.0129	•30
.35	.0213	.0297	.0288	0085	.0110	.0147	.35
•40	.0120	.0267	.0278	0057	.0101	.0148	.40
• 45	.0132	.0245	.0261	0005	.0087	.0105	•45
•50	.0101	.0217	.0235	.0020	.0056	.0081	•50
• 55	.0083	.0168	.0225	.0049	.0033	.0065	•55
•60	.0078	.0041	.0068	.0005	0060	0070	.60
•65	•0085	0022	0073	0060	0311	0256	.65
.70	.0379	.0104	.0056	.0048	0164	0099	.70
• 75	.0458	.0352	.0340	.0384	.0222	.0253	.75
.80		.0468	.0471	.0485	.0387	.0384	.80
•85		.0563	.0562	.0577	.0501	.0484	.85
<b>.9</b> 0			.0627	.0657	.0596	.0582	•90

TEST 1514 BATCH 5 RUN 44 POINT 351

Q = 228.33 HO = 557.1 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 3.71 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0043	0061	0040	0399	0192	0202	0.00
.05	0057	0021	0020	0432	0173	0173	•05
.10	0023	0013	0009	0431	0186	0201	.10
•15	0027	0021	.0013	0389	0210	0173	.15
.20	0026	.0003	.0063	0388	0197	0158	.20
.25	0029	0014	.0065	0394	0181	<del>-</del> .0145	• 25
.30	0360	0023	.0053	0386	0167	0130	.30
.35	0477	0112	0079	0345	0253	0239	• 35
.40	0488	0392	0299	0552	0593	0582	•40
.45	0493	0540	0498	0797	0800	0676	.45
•50	0489	0526	0578	0794	0647	0657	•50
•55	0428	0525	0545	0634	0705	0869	.55
.60	0442	0525	0516	0589	0856	0779	.60
.65	0388	0507	0523	0591	0782	0735	•65
.70	0038	0433	0465	0506	0654	0611	.70
.75	0101	0181	0211	0159	0279	0271	.75
.80		0024	0087	0046	0156	0139	.80
.85		.0062	.0034	.0038	0073	0049	.85
.90			0136	.0100	.0017	.0036	.90

TEST 1514 BATCH 5 RUN 44 POINT 352

Q = 228.41 HO = 557.3 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 5.74 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0166	0159	0147	0511	0324	0322	0.00
• 05	0185	0123	0137	0543	0305	0302	•05
.10	0143	0114	0131	0557	0329	0308	.10
.15	0199	0111	0122	0529	0350	0257	.15
•20	0185	0115	0099	0530	0329	0244	.20
• 25	0265	0118	0097	0511	0302	0258	.25
•30	0653	0217	0156	0504	0331	0345	.30
• 35	0744	0489	0442	0590	0665	0711	.35
•40	0732	0779	0809	0982	1057	1000	.40
.45	0683	0763	0831	1105	0910	0860	•45
•50	0686	0693	0700	0896	0809	0855	•50
• 55	0652	0664	0669	0791	0878	1037	• 55
•60	0678	0666	0700	0754	1042	0992	.60
•65	0604	0670	0709	0760	1026	0931	•65
.70	0225	0562	0644	0677	0911	0813	.70
.75	0691	0332	0356	0365	0529	0517	.75
.80		0907	0403	0421	0554	0509	.80
.85		1084	0948	0733	0782	0632	.85
• 90			1187	1126	0974	0879	.90

TEST 1514 BATCH 5 RUN 44 POINT 353

Q = 228.33 HO = 557.1 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 6.72 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0211	0192	0200	0574	0390	0365	0.00
.05	0228	0153	0183	0610	0372	0338	.05
.10	0208	0138	0179	0617	0385	0335	.10
.15	0272	0130	0160	0572	0399	0299	.15
.20	0323	0159	0159	0556	0381	0303	.20
• 25	0393	0180	0161	0531	0370	0348	.25
.30	0711	0365	0320	0579	0478	0514	.30
•35	0745	0653	0670	0794	0897	0905	.35
•40	0697	0738	0871	1123	1083	0972	.40
• 45	0692	0641	0775	1070	0861	0819	.45
•50	0797	0593	0718	0895	0805	0838	•50
•55	0760	0642	0720	0799	0902	1047	.55
•60	0747	0696	0726	0784	1071	1066	.60
.65	0800	0747	0737	0791	1125	1036	.65
•70	0708	0668	0678	0718	0974	0938	.70
•75	1310	0881	0592	0674	0846	0802	.75
.80		1672	1214	1142	1217	1040	.80
• 85·		1672	1719	1571	1482	1369	.85
•90			1653	1717	1576	1536	•90

TEST 1514 BATCH 5 RUN 44 POINT 354

Q = 228.37 HO = 557.2 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 7.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0301	0261	0273	0636	0451	0401	0.00
.05	0318	0218	0256	0667	0422	0368	.05
.10	0284	0199	0246	0677	0436	0393	.10
•15	0415	0188	0224	0622	0440	0360	.15
.20	0421	0304	0268	0579	0416	0356	.20
.25	0524	0337	0266	0551	0426	0426	•25
.30	0838	0565	0509	0689	0618	0657	.30
•35	1104	0744	0812	0964	1033	1038	•35
• 40	0857	0700	0829	1242	1137	1069	.40
• 45	1126	0654	0757	1154	0962	0946	.45
•50	0952	0651	0752	0986	0897	0925	.50
• 55	1156	0707	0768	0890	0966	1029	•55
•60	0813	0769	0781	0867	1052	1076	.60
•65	1578	0828	0820	0873	1114	1076	.65
.70	1386	0992	0904	0976	1173	1085	.70
.75	1480	1894	1394	1452	1551	1331	.75
.80		2219	2121	1884	1863	1739	.80
.85		2110	2176	2055	2009	1967	.85
•90		•9882	2105	1990	2043	2014	•90

TEST 1514 BATCH 5 RUN 44 POINT 355

Q = 228.33 HO = 557.1 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 8.73 BETA = 0.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0346	0324	0403	0743	0527	0481	0.00
•05	0371	0281	0385	0770	0497	0467	.05
.10	0413	0261	0371	0777	0506	0505	.10
.15	0603	0247	0346	0725	0498	0463	.15
.20	0618	0417	0339	0682	0471	0439	.20
.25	0749	0382	0295	0653	0461	0439	.25
.30	0933	0673	0373	0673	0497	0483	.30
.35	1192	0871	0644	0775	0758	0760	• 35
.40	0946	0957	1093	1233	1349	1390	.40
•45	1181	1081	1491	1794	1877	<b>19</b> 05	•45
•50	0915	1249	1591	1887	1840	1882	•50
•55	1336	1372	1496	1606	1619	1648	• 55
.60	0922	1383	1365	1460	1559	1516	.60
.65	1964	1378	1301	1390	1548	1432	•65
.70	1906	1779	1607	1789	1819	1579	.70
.75	1778	2169	1924	1852	1827	<b></b> 1742	•75
.80		2217	2143	1947	1895	1889	.80
.85		2129	2040	1881	1933	1894	.85
•90		•9775	1983	1787	1917	1909	.90

TEST 1514 BATCH 5 RUN 44 POINT 356

Q = 228.28 HO = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 9.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0378	0433	0497	0844	0625	0592	0.00
.05	0428	0404	0466	0885	0603	0574	.05
.10	0577	0401	0445	0892	0617	0605	.10
•15	0862	0416	0440	0859	0607	0575	.15
.20	0808	0459	0470	0806	0576	0555	.20
•25	0918	0390	0449	0780	0573	0573	•25
.30	1039	0576	0501	0816	0625	0631	.30
.35	1210	0893	0722	0914	0861	0871	.35
•40	1105	1413	1249	1327	1438	1483	.40
.45	1207	1916	1922	2016	2242	2303	.45
•50	1147	2083	2298	2519	2584	2585	•50
•55	1503	2009	2234	2382	2251	2112	•55
•60	1627	1899	2065	2065	1983	1823	.60
•65	2318	1801	1882	1903	1908	1738	•65
.70	2208	2073	1879	1889	1870	1756	.70
•75	2086	2114	1959	1905	1894	1904	•75
.80		2105	2046	1912	1944	1963	.80
.85		2034	1976	1846	1969	1969	.85
.90		.9648	1922	1796	1951	1994	•90

TEST 1514 BATCH 5 RUN 44 POINT 357

Q = 228.33 HO = 557.1 PINF = 112.9 R/FT = 1.001

MACH= 1.700 ALPHA= 11.72 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0533	0581	0606	1004	0812	0787	0.00
• 05	0556	0559	0590	1070	0806	0812	.05
.10	0872	0590	0614	1118	0855	0876	.10
.15	1306	0742	0753	1138	0847	0819	•15
.20	0890	0955	0976	1034	0795	0778	.20
.25	1203	0875	0865	0947	0828	0863	.25
.30	1561	1043	1002	1098	1017	1071	.30
•35	1843	1454	1421	1387	1423	1483	•35
.40	2244	2078	2038	1949	2052	2121	.40
•45	2047	2626	2636	2627	2790	2832	•45
•50	2151	2637	2662	3107	3013	2887	.50
•55	2297	2525	2510	2858	2588	2436	•55
•60	2115	2482	2421	2595	2423	2290	•60
.65	2423	2443	2356	2454	2418	2324	•65
.70	2276	2264	2155	2330	2160	2103	.70
•75	2263	2314	2260	2175	2222	2245	.75
.80		2292	2284	2161	2256	2300	.80
.85		2222	2231	2123	2255	2273	.85
•90		.9530	2175	2072	2252	2289	•90

TEST 1514 BATCH 5 RUN 44 POINT 358

Q = 228.28 ii0 = 557.0 PINF = 112.8 R/FT = 1.001

MACH= 1.700 ALPHA= 15.73 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0825	0874	0806	1305	1283	1196	0.00
.05	1051	0896	0844	1433	1357	1350	.05
.10	1964	1137	1080	1748	1506	1560	.10
.15	2187	1782	1780	2125	1429	1417	.15
•20	1852	2040	2067	1899	1358	1350	.20
•25	2062	2019	2085	1866	1428	1567	.25
.30	2241	1798	1752	1518	1800	1959	.30
•35	2386	2118	2072	2016	2316	2452	.35
•40	3141	2687	2651	2577	2868	2982	.40
• 45	3129	3182	3160	3117	3385	3455	•45
•50	3044	3226	3280	3514	3583	3461	•50
• 55	2992	3126	3154	3347	3315	3185	•55
•60	2933	3093	3094	3188	3163	3102	.60
•65	2905	3058	3047	3101	3112	3085	.65
• 70	2514	2876	2924	3071	3066	2976	.70
.75	2612	2782	2746	2820	2753	2712	.75
.80		2792	2745	2689	2765	2794	.80
.85		2703	2733	2700	2786	2804	.85
•90		.9391	2683	2661	2762	2866	.90

TEST 1514 BATCH 5 RUN 46 POINT 374

Q = 230.83 HO = 563.2 PINF = 114.1 R/FT = 1.012

MACH= 1.700 ALPHA= 11.75 BETA = -7.99

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1135	1232	1273	1623	1177	1095	0.00
.05	1167	0956	1019	1545	1104	1035	•05
.10	0911	0476	0548	1520	1097	1031	.10
.15	1085	0272	0107	1179	0931	0967	.15
.20	1850	2198	2153	1115	0951	0914	.20
.25	1030	1827	1799	1165	0760	0713	.25
.30	2485	2381	2232	0954	0631	-:0666	.30
.35	0862	2588	2744	0832	0666	0719	• 35
.40	2282	2414	2518	0879	0732	0787	.40
.45	1009	2327	2373	0942	0838	0879	•45
.50	2160	2255	2292	1058	0981	1021	•50
•55	1462	2195	2131	1232	1199	1246	•55
.60	2142	2194	2158	1548	1520	1574	.60
.65	2312	2183	2162	1940	1952	1988	.65
.70	1610	1794	1439	2197	2246	2258	.70
.75	2263	1771	1949	2232	2279	2247	.75
.80		2258	2296	2370	2422	2397	.80
.85		2382	2519	2327	2313	2287	.85
.90			2496	1890	1932	1927	.90

TEST 1514 BATCH 5 RUN 46 POINT 375

Q = 229.23 HO = 559.3 PINF = 113.3 R/FT = 1.005

MACH= 1.700 ALPHA= 11.75 BETA = -4.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0572	0772	0679	1155	0932	0799	0.00
•05	0748	0632	0546	1210	0927	0820	•05
.10	0948	0488	0403	1232	0880	0791	.10
.15	0906	0477	0507	1113	0757	0735	.15
.20	1304	1240	1658	0959	0708	0673	.20
.25	0872	1095	1491	0933	0679	0698	•25
.30	1826	1616	1680	0952	0722	0760	.30
•35	1068	2392	2329	0995	0840	0861	.35
.40	1819	2636	2241	1113	1019	1036	.40
.45	1717	2480	2127	1337	1340	1341	•45
•50	2176	2384	2098	1730	1810	1812	•50
•55	2404	2310	2001	2278	2388	2428	• 55
•60	2256	2078	1969	2827	2925	2958	•60
.65	2252	2080	2032	2698	2717	2622	•65
.70	2097	2450	2274	2366	2355	2274	•70
•75	2127	2555	2673	2412	2396	2324	•75
.80		2538	2776	2368	2314	2249	.80
.85		2469	2767	1982	2040	2036	.85
• 90			2713	1986	2078	2133	•90

TEST 1514 BATCH 5 RUN 46 POINT 376

Q = 229.35 HO = 559.6 PINF = 113.4 R/FT = 1.005

MACH= 1.700 ALPHA= 11.75 BETA = -2.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0436	0576	0541	0992	0800	0733	0.00
• 05	0611	0500	0491	1071	0802	0781	.05
.10	0945	0458	0471	1142	0797	0814	.10
•15	1017	0561	0641	1120	0747	0768	.15
.20	1185	0989	1193	0953	0710	0731	.20
• 25	0998	0932	1069	0924	0745	0790	.25
.30	1956	1265	1327	0984	0857	0900	.30
.35	1449	1876	1976	1099	1065	1102	•35
•40	1862	2487	2466	1383	1398	1453	•40
• 45	2137	2634	2372	1879	1950	2015	•45
•50	1878	2508	2273	2510	2620	2638	.50
• 55	2243	2439	2232	3039	3060	3051	•55
•60	2565	2404	2195	2898	2672	2589	.60
•65	2312	2157	2008	2588	2428	2368	•65
•70	2350	2441	2521	2396	2394	2340	.70
• 75	2161	2486	2578	2399	2337	2267	.75
.80		2460	2601	2178	2205	2233	.80
• 85		2380	2526	2085	2232	2246	.85
• <b>9</b> 0			2481	2080	2228	2251	•90

TEST 1514 BATCH 5 RUN 46 POINT 377

Q = 227.59 HO = 555.3 PINF = 112.5 R/FT = .998

MACH= 1.700 ALPHA= 11.75 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0529	0553	0574	0978	0791	0776	0.00
• 05	0501	0586	0612	1012	0755	0793	•05
.10	0808	0668	0681	1050	0833	0876	.10
.15	1218	0809	0808	1198	0860	0818	.15
.20	0800	0886	0897	1206	0802	0820	.20
•25	1016	0824	0824	0996	1016	1089	.25
.30	1174	0911	0885	1428	1578	1657	.30
•35	2635	1110	1091	2136	2395	2454	.35
.40	2052	1508	1459	2829	3023	3072	.40
.45	2533	2057	1989	2837	2792	2746	.45
•50	2464	2584	2590	2569	2490	2386	•50
• 55	<b></b> 2378	2695	2814	2415	2414	2293	.55
•60	2337	2580	2644	2373	2397	2286	•60
.65	2312	2519	2507	2222	2199	2086	.65
.70	2253	2472	2411	2520	2483	2474	.70
.75	2200	2281	2305	2458	2437	2425	•75
.80		2184	2147	2476	2490	2502	.80
.85		2172	2140	2411	2499	2502	.85
• 90			2101	2346	2485	2546	.90

TEST 1514 BATCH 5 RUN 46 POINT 378

Q = 227.51 HO = 555.1 PINF = 112.5 R/FT = .997

MACH= 1.700 ALPHA= 11.75 BETA = 3.99

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0746	0741	0732	1133	0908	0873	0.00
• 05	0591	0758	0765	1087	0815	0775	•05
.10	0897	0800	0820	1010	0890	0946	.10
•15	1557	0869	0896	1244	1029	0919	.15
•20	0811	0864	0902	1536	0968	1068	.20
• 25	1441	0811	0829	1179	1715	1858	.25
•30	0951	0824	0842	1952	2581	2699	.30
•35	2380	0912	0947	2745	2886	2920	.35
• 40	1524	1132	1138	2612	2475	2448	.40
•45	2298	1467	1448	2361	2300	2244	.45
•50	2331	1936	1922	2268	2308	2241	.50
• 55	2178	2434	2436	2173	2192	2147	•55
•60	2361	2635	2723	2068	2179	2095	.60
•65	2313	2504	2577	2081	2176	2077	•65
•70	2248	2436	2433	2248	2276	<b></b> 2172	.70
• 75	2285	2466	2451	2455	2495	2373	.75
.80		2216	2282	2703	2694	2613	.80
.85		2007	2018	2849	2855	2826	.85
•90			2019	2805	2874	2987	.90

TEST 1514 BATCH 5 RUN 46 POINT 379

Q = 229.43 HO = 559.8 PINF = 113.4 R/FT = 1.006

MACH= 1.700 ALPHA= 11.76 BETA = 8.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1159	1215	1195	1588	1173	1049	0.00
.05	0635	1124	1116	1509	0992	0802	.05
.10	1054	1088	1076	1130	0903	1193	.10
•15	1825	1075	1068	1000	1862	1637	.15
.20	0990	1114	1054	2034	1701	2020	.20
• 25	2135	0948	0935	1579	2841	3028	.25
.30	0821	0853	0848	2764	3114	3223	.30
•35	2429	0791	0780	2969	2797	2948	•35
•40	0964	0857	0815	2659	2622	2683	•40
.45	2278	0963	0914	2509	2596	2640	•45
•50	1373	1110	1078	2358	2558	2582	•50
• 55	2189	1356	1320	2246	2605	2599	•55
.60	2203	1687	1661	2255	2590	2594	•60
•65	2044	2131	2133	2272	2597	2588	.65
.70	2275	2355	2355	1671	1785	1690	.70
.75	2032	2377	2392	0938	1056	0914	.75
.80		2410	2435	1735	1141	0925	.80
<b>.</b> 85		2246	2319	2857	2142	1658	.85
• 90			1927	2921	2912	2784	.90
				. =			

TEST 1514 BATCH 5 RUN 47 POINT 380

Q = 451.43 HO = 1052.2 PINF = 286.6 R/FT = 2.002

MACH= 1.500 ALPHA= -.43 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0253	.0250	.0229	0259	.0059	.0188	0.00
.05	.0234	.0283	.0234	0366	.0083	.0163	•05
.10	.0246	.0295	.0239	0357	.0099	.0060	.10
.15	.0271	.0260	.0241	0320	.0098	.0103	.15
.20	.0294	.0279	.0294	0310	.0134	.0140	.20
.25	.0276	.0279	.0265	0285	.0146	.0154	• 25
.30	.0278	.0263	.0254	0288	.0139	.0179	.30
.35	.0228	.0278	.0243	0261	.0125	.0197	•35
.40	.0234	.0245	.0239	0227	.0127	.0187	.40
•45	.0217	.0221	.0218	0177	.0106	.0138	•45
.50	.0187	.0185	.0172	0150	.0066	.0126	•50
• 55	.0173	.0154	.0172	0126	.0050	.0132	•55
.60	0082	.0067	.0107	0200	0093	0110	•60
•65	.0002	0056	0027	0259	0323	0216	.65
.70	.0018	0001	.0003	0206	0183	0082	.70
.75	.0448	.0241	.0324	.0210	.0187	.0281	.75
.80		.0369	.0423	.0333	.0335	.0429	.80
.85		.0446	.0495	.0439	.0423	.0528	•85
<b>.9</b> 0		2.2575	.0579	.0523	.0516	.0603	•90

TEST 1514 BATCH 5 RUN 47 POINT 381

Q = 451.60 HO = 1052.6 PINF = 286.7 R/FT = 2.003

MACH= 1.500 ALPHA= 1.57 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0078	.0044	.0068	0451	0105	.0002	0.00
.05	.0056	.0074	.0069	0529	0075	0015	•05
.10	.0076	.0101	.0082	0518	0047	0116	.10
.15	.0102	.0074	.0094	0481	0090	0077	.15
.20	.0102	.0094	.0149	0484	0054	0035	.20
• 25	.0080	.0081	.0123	0462	0042	0021	.25
.30	.0030	.0045	.0097	0472	0049	.0010	.30
.35	0019	.0062	.0084	0418	0048	.0030	.35
.40	0033	.0013	.0067	0373	0075	0017	•40
.45	-:0057	0061	0046	0394	0311	0184	.45
.50	0140	0224	0300	0687	0318	0134	•50
•55	0151	0341	0288	0610	0360	0503	•55
.60	0389	0368	0328	0570	0755	0574	.60
•65	0328	0378	0345	0583	0587	0515	•65
.70	0103	0299	0262	0464	0459	0365	.70
.75	.0168	0053	•0046	0052	0083	.0001	.75
.80		.0098	.0153	.0066	.0071	.0145	.80
•85		.0183	.0230	.0176	.0170	.0251	.85
•90			.0309	.0254	.0259	.0339	•90

TEST 1514 BATCH 5 RUN 47 POINT 382

Q = 451.69 HO = 1052.8 PINF = 286.8 R/FT = 2.004

MACH= 1.500 ALPHA= 2.56 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0001	0027	.0015	0505	0146	0068	0.00
• 05	0019	.0005	.0018	0580	0115	0075	.05
.10	0008	.0022	.0022	0572	0120	0181	.10
•15	.0020	0008	.0030	0537	0183	0147	.15
.20	.0018	.0015	.0078	0541	0141	0104	.20
.25	0003	.0019	.0056	0513	0124	0090	.25
•30	0131	0026	.0038	0529	0113	0043	.30
• 35	0210	0030	.0002	0438	0128	0038	•35
•40	0221	0133	0081	0461	0303	0214	•40
• 45	0237 ·	0339	0400	0752	0669	0430	•45
•50	0376	0532	0555	0965	0533	0451	•50
•55	0337	0507	0477	0736	<b></b> 0678	0828	•55
•60	0493	0478	0466	0701	0822	0663	.60
•65	0469	0471	0470	0704	0708	0637	•65
.70	0222	0408	0399	0592	0595	0493	.70
.75	.0010	0167	0108	0183	0229	0138	.75
.80		0014	0005	0065	0080	0002	.80
.85		•0084	.0076	.0031	.0013	.0103	.85
•90			.0155	.0106	.0105	.0211	•90

TEST 1514 BATCH 5 RUN 47 POINT 383

Q = 451.69 HO = 1052.8 PINF = 286.8 R/FT = 2.004

MACH= 1.500 ALPHA= 4.58 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0147	0223	0128	0613	0248	0200	0.00
•05	0176	0190	0124	0692	0249	0199	• 05
.10	0135	0172	0119	0678	0294	0293	.10
•15	0144	0191	0113	0619	0353	0269	.15
.20	0114	0168	0079	0580	0303	0229	.20
.25	0189	0151	0101	0542	0263	0221	.25
•30	0482	0167	0110	0554	0260	0195	.30
•35	0667	0256	0244	0562	0469	0386	.35
•40	0630	0701	0685	0970	1011	0838	.40
•45	0559	0929	0977	1343	0949	0797	•45
•50	0679	0774	0756	1059	0797	0857	.50
•55	0623	0658	0664	0937	0997	1044	.55
.60	0713	0641	0665	0876	1033	0861	.60
•65	0711	0689	0680	0883	0935	0813	•65
.70	0450	0633	0635	0805	0834	0734	.70
.75	0316	0407	0382	0324	0483	0432	•75
.80		0305	0329	0192	0487	0301	.80
.85		0455	0529	0633	0500	0291	.85
.90			0785	1067	0590	0418	•90
			, 02				• > 0

TEST 1514 BATCH 5 RUN 47 POINT 384

Q = 451.82 HO = 1053.1 PINF = 286.9 R/FT = 2.004

MACH= 1.500 ALPHA= 5.57 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0200	0269	0201	0633	0344	0241	0.00
•05	0211	0220	0184	0712	0329	0231	.05
.10	0204	0184	0166	0710	0351	0329	.10
•15	0169	0185	0150	0648	0384	0319	.15
.20	0225	0168	0115	0604	0337	0274	.20
.25	0254	0162	0132	0563	0316	0285	.25
.30	0671	0233	0179	0629	0385	0342	.30
•35	0756	0467	0469	0827	0777	0700	.35
•40	0752	0933	0914	1276	1110	0884	.40
• 45	0572	0954	0949	1273	0824	0719	• 45
•50	0772	0755	0735	1049	0779	0802	•50
•55	0705	0697	0687	0934	1003	1103	•55
•60	0820	0732	0715	0920	1107	0961	.60
•65	0789	0759	0745	0928	1031	0950	•65
.70	0523	0695	0703	0812	0933	0862	.70
•75	0802	0571	0518	0382	0794	0542	•75
.80		0839	0877	1086	0992	0678	.80
.85		1325	1477	1685	1238	1097	•85
•90			<b></b> 1578	1627	1376	1341	.90

TEST 1514 BATCH 5 RUN 47 POINT 385

Q = 451.77 HO = 1053.0 PINF = 286.8 R/FT = 2.004

MACH= 1.500 ALPHA= 6.56 BETA = 0.00

ETA	X/L=.i	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0257	0282	0281	0600	0413	0280	0.00
.05	0278	0253	0264	0664	0397	0271	.05
.10	0250	0237	0244	0699	0389	0390	.10
.15	0259	0254	0215	0686	0418	0343	.15
.20	0312	0271	0183	0694	0368	0297	.20
.25	0418	0266	0202	0661	0400	0368	.25
.30	0785	0409	0311	0814	0669	0634	.30
.35	0839	0728	0704	1124	0965	0784	.35
.40	0822	1031	1000	1178	0778	0633	•40
.45	0661	0866	0805	0976	0724	0623	.45
•50	0812	0741	0711	0909	0764	0799	•50
•55	0752	0718	0693	0858	0900	1042	•55
.60	0875	0769	0718	0869	1051	1080	.60
.65	0866	0811	0761	0903	1125	1087	•65
•70	1040	0842	0774	0781	1162	0998	.70
<b>.</b> 75	1762	1207	1106	1214	1364	0975	.75
.80		1837	1952	2195	1813	1589	.80
•85		2198	2247	2374	2017	1976	.85
•90			2110	2162	2036	2094	•90

TEST 1514 BATCH 5 RUN 47 POINT 386

Q = 451.43 HO = 1052.2 PINF = 286.6 R/FT = 2.002

MACH= 1.500 ALPHA= 8.58 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0443	0457	0510	0913	0609	0513	0.00
.05	0481	0425	0493	0999	0613	0499	.05
.10	0472	0412	0482	0994	0646	0571	.10
.15	0557	0438	0475	0961	0670	0525	.15
.20	0516	0429	0441	0936	0616	0483	.20
.25	0590	0405	0450	0899	0587	0512	.25
.30	1093	0444	0461	0919	0585	0534	.30
.35	1353	0538	0529	0894	0640	0616	.35
.40	1707	1033	0778	1055	0909	0935	.40
•45	1731	1822	1486	1630	1717	1749	.45
.50	1603	2392	2416	2506	2680	2685	.50
•55	1781	2518	2851	3019	3020	2758	•55
.60	1584	2365	2742	2886	2517	1948	.60
•65	2245	2216	2417	2511	2032	1749	•65
.70	2141	2302	2182	2297	1861	1622	.70
.75	2475	2243	2080	2215	1840	2131	•75
.80		2266	2076	2069	2029	2205	.80
.85		2208	2078	1997	2118	2137	.85
• <b>9</b> 0			1992	1923	2104	2238	•90

TEST 1514 BATCH 5 RUN 48 POINT 387

Q = 448.21 HO = 1252.5 PINF = 160.1 R/FT = 1.998

MACH= 2.000 ALPHA= -.39 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0192	.0163	.0179	0173	0020	.0033	0.00
.05	.0188	.0196	.0189	0205	0005	.0043	.05
.10	.0178	.0204	.0191	0195	0016	0020	.10
•15	.0194	.0189	.0192	0168	0041	.0003	.15
.20	.0191	.0200	.0227	0158	0021	.0026	.20
•25	.0206	.0195	.0215	0155	0009	.0020	.25
.30	.0163	.0185	.0201	0155	0009	.0030	.30
.35	.0160	.0200	.0186	0097	0016	.0028	.35
•40	.0126	.0180	.0176	0065	0025	.0021	.40
•45	.0142	.0158	.0148	0013	0056	0029	.45
•50	.0065	.0128	.0096	.0018	0112	0048	•50
•55	.0061	.0080	.0066	0005	0130	0056	•55
.60	0134	0012	0016	0051	0209	0265	.60
•65	0051	0114	0115	0089	0410	0397	.65
.70	.0123	0025	0043	0004	0229	0222	•70
•75	.0303	.0231	.0251	.0306	.0165	.0130	•75
.80		.0368	.0371	.0388	.0313	.0264	.80
.85		.0459	.0453	.0468	.0412	.0356	.85
.90			.0516	.0545	.0516	.0445	•90

TEST 1514 BATCH 5 RUN 48 POINT 388

Q = 449.11 HO = 1255.0 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 3.62 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0101	0133	0114	0451	0292	0283	0.00
.05	0109	0105	0100	0485	0271	0284	.05
.10	0095	0102	0092	0485	0273	0326	.10
.15	0104	0108	0079	0461	0278	0280	.15
.20	0076	0101	0042	0450	0254	0254	.20
.25	0104	0092	0037	0439	0239	0251	.25
.30	0329	0116	0042	0399	0252	0258	.30
.35	0512	0223	0141	0334	0385	0395	•35
.40	0606	0537	0490	0568	0815	0793	.40
• 45	0550	0694	0753	0926	0837	0723	.45
•50	0529	0622	0639	0740	0701	0697	.50
•55	0503	0556	0557	0611	0777	0927	• 55
.60	0533	0550	0536	0557	0882	0866	.60
•65	0490	0556	0541	0568	0868	0829	.65
.70	0150	0492	0489	0491	0717	0694	.70
.75	0209	0232	0212	0183	0315	0341	.75
.80		0083	0086	0096	0160	0201	.80
.85		.0042	0003	0010	0063	0109	.85
.90			.0068	.0048	.0023	0031	.90

TEST 1514 BATCH 5 RUN 48 POINT 389

Q = 449.32 HO = 1255.6 PINF = 160.5 R/FT = 2.003

MACH= 2.000 ALPHA= 4.60 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0149	0176	0161	0510	0344	0337	0.00
•05	0161	0149	0146	0540	0324	030	
.10	0145	0140	0140	0549	0331	0385	.10
•15	0156	0143	0128	0534	0328	0334	.15
.20	0151	0144	0097	0529	0305	0301	.20
•25	0197	0138	0093	0505	0293	0302	.25
.30	0531	0182	0113	0464	0328	0353	.30
.35	0684	0367	0294	0472	0614	0667	.35
.40	0682	0766	0731	0844	1048	0996	.40
.45	0612	0838	0889	1065	0863	0807	•45
•50	0624	0703	0688	0798	0799	0822	•50
• 55	0591	0654	0630	0709	0890	1025	•55
•60	0645	0655	0630	0661	0985	0963	•60
•65	0604	0649	0636	0669	0976	0920	.65
.70	0284	0578	0595	0599	0838	0800	.70
•75	0372	0305	0331	0304	0435	0457	.75
.80		0131	0202	0207	0280	0321	.80
•85		0260	0188	0169	0206	0250	.85
• 90			0333	0232	0181	0184	.90

TEST 1514 BATCH 5 RUN 48 POINT 390

Q = 449.28 HO = 1255.5 PINF = 160.5 R/FT = 2.003

MACH= 2.000 ALPHA= 5.61 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0209	0216	0211	0577	0400	0400	0.00
.05	0216	0187	0196	0611	0375	0397	•05
.10	0215	0175	0187	0618	0377	0436	.10
.15	0233	0180	0174	0606	0379	0400	.15
.20	0261	0197	0155	0587	0356	0363	.20
.25	0326	0197	0154	0557	0361	0368	•25
.30	0731	0289	0215	0537	0449	0498	.30
.35	0759	0583	0527	0651	0874	0942	.35
.40	0766	0942	0942	1081	1156	1092	.40
.45	0642	0841	0918	1071	0904	0890	.45
.50	0723	0724	0737	0857	0879	0922	•50
.55	0695	0698	0688	0776	0967	1111	•55
.60	0745	0728	0702	0753	1081	1055	•60
.65	0674	0725	0711	0754	1066	1012	•65
.70	0364	0655	0671	0679	0913	0888	.70
.75	0831	0377	0415	0384	0491	0528	.75
.80		0521	0405	0439	0478	0513	.80
.85		1091	0744	0661	0673	0645	•85
.90			1095	0984	0901	0747	•90

TEST 1514 BATCH 5 RUN 48 POINT 393

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 6.61 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0263	0257	0262	0640	0442	0450	0.00
.05	0278	0231	0249	0684	0419	0450	.05
.10	0268	0220	0241	0690	0419	0492	.10
.15	0292	0219	0227	0662	0441	0437	.15
.20	0374	0281	0222	0636	0425	0403	.20
•25	0387	0289	0213	0597	0448	0436	.25
.30	0898	0476	0344	0626	0632	0694	.30
.35	1016	0812	0750	0867	1102	1152	.35
.40	0838	0923	1045	1214	1097	1013	.40
.45	0980	0770	0888	1036	0912	0916	.45
.50	0819	0731	0788	0902	0902	0962	•50
.55	0837	0756	0761	0807	1020	1159	• 55
•60	0796	0770	0773	0805	1126	1126	•60
.65	0956	0792	0793	0802	1139	1092	.65
.70	1278	0722	0763	0728	0965	0963	.70
.75	1262	0809	0673	0707	0772	0778	•75
.80		1539	1103	1093	1075	1028	.80
.85		1643	1555	1400	1336	1241	.85
.90			1615	1542	1449	1332	.90

TEST 1514 BATCH 5 RUN 48 POINT 394

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 7.61 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0305	0322	0320	0671	0486	0505	0.00
• 05	0322	0296	0305	0722	0461	0509	.05
.10	0325	0283	0292	0736	0480	0548	.10
.15	0416	0289	0280	0712	0502	0489	.15
.20	0468	0383	0353	0671	0481	0452	.20
• 25	0550	0394	0343	0633	0517	0492	.25
•30	1012	0582	0568	0721	0753	0775	.30
.35	1161	0908	0954	1016	1230	1286	•35
•40	0903	1028	1091	1343	1269	1252	.40
• 45	1121	0862	0983	1181	1063	1086	• 45
•50	0978	0796	0919	1040	1047	1087	•50
• 55	1012	0806	0891	0957	1063	1112	•55
.60	0996	0880	0871	0921	1105	1120	.60
•65	1265	0919	0894	0906	1122	1127	•65
.70	1555	1071	0954	0999	1149	1126	.70
.75	1431	1666	1275	1357	1396	1302	.75
.80		1940	1772	1639	1637	<b></b> 1553	.80
-85		1908	1974	1797	1796	1707	.85
<b>.9</b> 0			1924	1813	1839	1811	•90

TEST 1514 BATCH 5 RUN 48 POINT 395

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 8.62 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0350	0414	0408	0743	0560	0571	0.00
• 05	0368	0388	0397	0783	0547	0578	.05
.10	0465	0380	0391	0798	0574	0625	.10
.15	0633	0393	0404	0789	0592	0577	.15
•20	0598	0482	0492	0724	0562	0536	.20
• 25	0763	0469	0478	0677	0576	0561	.25
•30	1154	0602	0595	0756	0723	0709	.30
• 35	1330	0921	0949	1038	1186	1185	.35
-40	1035	1447	1467	1587	1762	1771	.40
• 45	1332	1690	1686	1818	1824	1801	.45
•50	1136	1570	1443	1532	1492	1502	.50
• 55	1326	1405	1276	1394	1439	1459	•55
•60	1467	1289	1223	1346	1406	1406	.60
•65	1656	1237	1192	1258	1402	1384	.65
.70	1763	1444	1408	1585	1591	1481	.70
• 75	1582	1681	1609	1628	1679	1591	•75
.80		1816	1842	1724	1735	1679	.80
•85		<b></b> 1765	1866	1723	1769	1719	.85
• 90			1801	1656	1749	1750	•90

TEST 1514 BATCH 5 RUN 48 POINT 396

Q = 449.03 HO = 1254.8 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 9.62 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0395	0490	0472	0814	0668	0663	0.00
.05	0425	0461	0462	0849	0655	0674	.05
.10	0621	0457	0470	0868	0677	0727	.10
.15	0847	0511	0541	0884	0685	0675	.15
.20	0726	0671	0731	0804	0651	0640	.20
.25	0892	0656	0672	0752	0694	0701	.25
.30	1445	0802	0827	0869	0876	0882	.30
•35	1592	1134	1198	1168	1333	1336	.35
.40	1430	1662	1706	1729	1939	1958	.40
.45	1652	1974	1882	2200	2256	2170	•45
•50	1417	1857	1641	1936	1808	1781	.50
•55	1575	1723	1514	1713	1695	1702	•55
.60	1756	1653	1503	1665	1721	1720	•60
•65	1810	1479	1437	1562	1567	1542	•65
.70	1850	1681	1750	1773	1880	1734	.70
.75	1693	1794	1796	1743	1796	1698	•75
.80		1858	1924	1766	1810	1764	.80
.85		1813	1911	1733	1825	1808	.85
• 90			1845	1676	1808	1826	•90

TEST 1514 BATCH 5 RUN 48 POINT 397

Q = 448.68 HO = 1253.8 PINF = 160.2 R/FT = 2.001

MACH= 2.000 ALPHA= 11.61 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0520	0604	0593	0945	0826	0819	0.00
.05	0571	0595	0584	0998	0845	0884	•05
.10	1013	0650	0629	1080	0933	0966	.10
.15	1343	0892	0875	1234	0924	0888	•15
.20	1075	1190	1227	1112	0868	0844	.20
.25	1174	1094	1146	0945	0964	1002	•25
.30	1759	1224	1171	1141	1262	1308	.30
•35	1937	1623	1623	1524	1745	<b></b> 1778	•35
.40	2176	2087	2109	2050	2258	2285	.40
.45	2149	2183	2255	2485	2547	2458	.45
•50	2080	2066	2093	2323	2212	2135	•50
•55	2077	1995	1998	2146	2130	2065	•55
.60	1896	1975	1980	2102	2167	2126	.60
.65	1967	1854	1896	2073	2062	1939	•65
.70	1946	2042	2070	1942	2059	2013	.70
.75	1895	2088	2100	1991	2045	1992	•75
.80		2092	2119	1975	2025	2031	.80
.85		2038	2060	1950	2015	2035	•85
.90			2013	1917	2011	2017	•90

TEST 1514 BATCH 5 RUN 48 POINT 398

Q = 448.93 HO = 1254.5 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 15.61 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0828	0830	0766	1156	1307	1192	0.00
.05	1071	0890	0832	1285	1453	1374	.05
.10	2171	1203	1124	1640	1760	1527	.10
.15	2340	1937	1898	2276	1533	1446	.15
.20	2105	2219	2219	2017	1467	1305	.20
•25	2297	2239	2247	2034	1298	1485	.25
.30	2063	2048	2129	1697	1609	1860	.30
•35	2144	1950	1894	1796	2054	2262	.35
•40	2542	2274	2190	2195	2462	2614	.40
•45	2521	<b></b> 2573	2532	2553	2783	2873	.45
•50	2489	2608	2669	2801	2829	2716	•50
•55	2451	2530	2560	2645	2648	2606	•55
•60	2412	2482	2492	2538	2586	2589	.60
•65	2365	2431	2451	2504	2595	2629	.65
•70	2165	2327	2351	2452	2407	2293	.70
•75	2231	2372	2372	2288	2293	2308	•75
.80		2365	2365	2294	2330	2354	.80
•85		2311	2330	2281	2312	2334	.85
• 90			2303	2258	2283	2331	•90

TEST 1514 BATCH 5 RUN 48 POINT 399

Q = 448.86 HO = 1254.3 PINF = 160.3 R/FT = 2.001

MACH= 2.000 ALPHA= 19.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1117	1074	1022	1444	1561	1511	0.00
• 05	1613	1246	1218	1638	1831	1852	.05
.10	2779	1833	1794	2216	2478	2172	.10
.15	2784	2633	2643	2805	2399	2215	.15
.20	2688	2809	2813	2780	2357	1943	•20
.25	2766	2817	2824	2802	1940	1791	.25
.30	2604	2807	2826	2453	-,2028	2029	.30
.35	2720	2572	2651	2286	2257	2301	.35
.40	2508	2498	2462	2396	2458	2585	•40
•45	2594	2572	2545	2563	2675	2837	.45
•50	2689	2710	2730	2752	2889	3007	•50
•55	2629	2739	2798	2877	2921	2878	•55
.60	2607	2675	2725	2771	2750	2775	.60
.65	2550	2600	2646	2655	2673	2734	•65
•70	2389	2557	2610	2596	2623	2675	.70
.75	2474	2543	2588	2581	2619		
.80	• 2 7 / 7	2529	- 2330			2542	.75
•85			2548	2539	2554	2561	.80
		2489	2526	2472	2523	2553	•85
• 90			2509	2447	2515	2567	•90

TEST 1514 BATCH 5 RUN 49 POINT 402

Q = 419.69 HO = 1521.8 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= -.46 BETA = 0.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0265	.0246	.0234	0107	.0001	.0014	0.00
. 05	.0263	.0272	.0254	0129	.0023	.0023	•05
.10	.0263	.0276	.0263	0127	.0019	0002	.10
• 15	.0279	.0272	.0268	0102	.0011	.0014	.15
.20	.0261	.0279	.0291	0096	.0012	.0018	.20
.25	.0285	.0279	.0282	0093	.0023	.0020	.25
•30	.0243	.0268	.0270	0071	.0019	.0019	.30
.35	.0222	.0282	.0251	0009	.0015	.0024	.35
.40	.0128	.0249	.0236	.0035	.0007	.0024	•40
. 45	.0164	.0223	.0213	.0093	0018	0001	•45
• 50	.0046	.0199	.0178	.0101	0055	0020	•50
• 55	.0064	.0147	.0136	.0056	0084	0045	•55
.60	.0005	.0057	.0048	0005	0141	0171	.60
• 65	.0051	0008	0038	0064	0291	0341	.65
.70	.0342	.0096	.0056	.0033	0106	0128	.70
• 75	.0404	.0361	.0359	.0338	.0287	.0231	.75
.80		.0487	.0472	.0433	.0427	.0368	.80
. 85		.0582	.0567	.0509	.0525	.0471	.85
• 90			.0629	.0590	.0621	.0566	.90

TEST 1514 BATCH 5 RUN 49 POINT 403

Q = 419.61 HO = 1521.5 PINF = 104.1 R/FT = 2.002

MACH= 2.400 ALPHA= 3.53 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0040	0070	0063	0351	0258	0261	0.00
• 05	0048	0043	0050	0373	0243	0256	•05
.10	0038	0036	0046	0375	0254	0283	.10
• 15	0032	0033	0039	0351	0258	0259	.15
.20	0050	0026	0020	0345	0251	0240	.20
. 25	0047	0028	0023	0344	0239	0225	•25
.30	0346	0056	0044	0278	0233	0233	.30
• 35	0442	0168	0181	0254	0354	0400	.35
•40	0448	0432	0429	0481	0676	0703	.40
.45	0443	0518	0583	0705	0736	0650	.45
•50	0444	0450	0529	0596	0596	0594	•50
• 55	0387	0440	0476	0483	0595	0726	•55
•60	0430	0445	0454	0461	0693	0732	•60
•65	0342	0446	0460	0464	0724	0731	.65
• 70	.0032	0373	0385	0388	0546	0554	.70
• 75	0058	0103	0100	0077	0134	0169	.75
.80		.0027	.0021	.0033	.0029	0018	.80
. 85		.0121	.0119	.0120	.0140	.0089	.85
<b>.9</b> 0			.0136	.0199	.0236	.0183	.90

TEST 1514 BATCH 5 RUN 49 POINT 404

Q = 419.88 HO = 1522.5 PINF = 104.1 R/FT = 2.004

MACH= 2.400 ALPHA= 5.55 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0165	0186	0189	0453	0362	0369	0.00
• 05	0172	0161	0176	0475	0346	0372	.05
.10	0161	0154	0168	0482	0365	0392	.10
.15	0177	0146	0156	0454	0374	0358	.15
.20	0238	0174	0164	0446	0365	0336	.20
.25	0244	0185	0162	0426	0362	0333	.25
.30	0655	0287	0241	0398	0433	0439	.30
.35	0759	0557	0545	0565	0784	0849	.35
.40	0695	0811	0858	0930	1026	0994	.40
• 45	0673	0737	0791	0910	0828	0821	•45
•50	0642	0671	0681	0736	0792	0815	•50
•55	0612	0645	0651	0668	0808	0922	• 55
•60	0623	0640	0651	0643	0901	0927	.60
•65	0569	0628	0667	0644	0911	0915	.65
.70	0214	0543	0597	0576	0732	0750	.70
.75	0377	0211	0247	0276	0326	0368	.75
.80		0366	0155	0201	0199	0240	.80
•85		0525	0596	0207	0161	0196	.85
• 90			0620	0419	0237	0217	•90

TEST 1514 BATCH 5 RUN 49 POINT 405

Q = 419.31 HO = 1520.4 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 7.56 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0263	0281	0278	0534	0463	0465	0.00
• 05	0268	0258	0267	0558	0452	0472	.05
.10	0294	0250	0259	0570	0475	0496	.10
•15	0372	0247	0252	0557	0493	0459	.15
.20	0481	0347	0351	0542	0485	0446	.20
•25	0526	0353	0349	0514	0529	0512	.25
.30	0933	0582	0544	0624	0743	0778	.30
•35	0942	0914	0905	0954	1149	1167	•35
•40	0915	1009	1009	1177	1096	1070	•40
.45	0891	0907	0882	0986	0949	0967	.45
•50	0834	0835	0825	0884	0940	0964	•50
• 55	0822	0792	0801	0806	0960	1053	•55
•60	0796	0796	0799	0786	1038	1066	.60
•65	0814	0799	0812	0788	1052	1053	•65
.70	0594	0819	0760	0749	0899	0906	.70
•75	0893	1083	0921	0635	0662	0669	•75
.80		1225	1303	0731	0714	0732	.80
.85		1148	1289	1013	0934	0912	.85
•90			1254	1446	1259	1186	<b>.9</b> 0

TEST 1514 BATCH 5 RUN 49 POINT 406

Q = 419.31 HO = 1520.4 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 9.53 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0369	0395	0376	0645	0574	0574	0.00
•05	0377	0380	0367	0678	0563	0585	•05
.10	0467	0388	0368	0712	0619	0642	.10
.15	0681	0447	0421	0772	0634	0577	.15
.20	0687	0622	0637	0740	0621	0593	.20
.25	0787	0560	0548	0701	0769	0789	.25
.30	1223	<b></b> 0792	0757	0909	1101	1150	.30
•35	1292	1192	1173	1248	1421	1412	•35
.40	1263	1403	1376	1364	1292	1266	.40
.45	1249	1327	1265	1187	1188	1192	•45
•50	1208	1268	1190	1100	1167	1188	•50
•55	1174	1206	1147	1048	1144	1171	• 55
.60	1112	1178	1071	1019	1161	1182	.60
.65	1172	1192	1094	1023	1184	1179	•65
.70	0942	1309	1204	1059	1180	1173	.70
.75	1181	1375	1408	1137	1168	1146	.75
.80		1395	1512	1293	1289	1270	.80
.85		1332	1478	1531	1493	1449	.85
.90			1449	1785	<b>179</b> 0	1759	.90

TEST 1514 BATCH 5 RUN 49 POINT 407

Q = 419.86 HO = 1522.4 PINF = 104.1 R/FT = 2.004

MACH= 2.400 ALPHA= 11.57 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0476	0486	0478	0755	0748	0689	0.00
.05	0500	0480	0471	0793	0753	0740	.05
.10	0785	0526	0501	0869	0828	0870	.10
.15	1135	0721	0683	1097	0827	0788	.15
.20	0954	1043	1064	1029	0786	0793	.20
•25	1042	0970	0984	0922	0963	1033	.25
.30	1435	1046	0998	1078	1314	1387	.30
.35	1520	1397	1359	1438	1656	1678	.35
.40	1517	1651	1609	1639	1609	1561	.40
.45	1524	1607	1532	1504	1498	1473	•45
•50	1483	1555	1472	1425	1473	1488	•50
•55	1473	1503	1447	1388	1441	1446	•55
.60	1351	1448	1366	1316	1384	1383	•60
•65	1429	1409	1333	1293	1409	1391	•65
.70	1214	1524	1434	1371	1456	1427	•70
•75	1399	1550	1573	1466	1527	1470	.75
.80		1561	1652	1623	1643	1615	.80
.85		1497	1638	1789	1790	<b></b> 1755	.85
•90			1600	1832	1876	1892	•90

TEST 1514 BATCH 5 RUN 49 POINT 408

Q = 419.77 HO = 1522.1 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= 15.54 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0604	0686	0653	0949	1027	0981	0.00
• 05	0799	0737	0711	1040	1145	1167	.05
.10	1670	0980	0948	1319	<b></b> 1572	1430	.10
.15	1791	1507	1515	1765	1477	1353	.15
.20	1668	1736	1759	1781	1406	1198	.20
• 25	1749	1743	1763	1777	1198	1272	.25
.30	1631	1680	1729	1638	1394	1565	.30
•35	1714	1599	1608	1511	1700	1841	.35
.40	1777	1725	1704	1702	1938	2000	.40
.45	1787	1818	1812	1884	1970	1940	.45
•50	1752	1796	1788	1855	1887	1886	.50
•55	1744	1767	1737	1776	1848	1874	•55
.60	1612	1740	1702	1742	1826	1821	.60
•65	1644	1687	1653	1694	1736	1708	•65
.70	1433	1766	1755	1768	1836	1820	.70
• 75	1604	1778	1827	1794	1842	1761	.75
.80		1770	1814	1846	1863	1852	.80
•85		1684	1794	1840	1861	1861	.85
• 90			1746	1812	1845	1861	.90

TEST 1514 BATCH 5 RUN 49 POINT 409

Q = 419.31 HO = 1520.4 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 19.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0847	0938	0877	1173	1261	1237	0.00
.05	1324	1087	1044	1341	1468	1497	•05
.10	1973	1504	1460	1758	1952	1853	.10
.15	1986	1944	1949	2012	1955	1857	•15
•20	1936	2015	2033	2069	1934	1708	.20
• 25	1974	2021	2038	2075	1711	1607	.25
.30	1931	2018	2032	2062	1731	1714	.30
•35	1975	1987	1992	1974	1800	1872	.35
•40	1933	1944	1932	1891	1919	2031	.40
•45	1998	1923	1899	1894	2040	2130	.45
•50	1895	1912	1921	1955	2084	2107	.50
• 55	1948	1902	1915	1962	2039	2054	•55
•60	1780	1894	1899	1927	1988	1998	.60
•65	1803	1885	1873	1893	1948	1942	.65
•70	1602	1912	1951	1949	1962	1962	.70
•75	1763	1912	1950	1928	1954	1869	.75
.80		1904	1935	1943	1958	1967	.80
.85		1813	1924	1933	1946	1967	.85
• 90			1869	1922	1940	1964	•90

TEST 1514 BATCH 5 RUN 50 POINT 410

Q = 379.13 HO = 1874.8 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= -.14 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0188	.0194	.0184	0057	.0014	.0045	0.00
.05	.0190	.0216	.0193	0081	.0027	.0046	.05
.10	.0172	.0221	.0194	0083	.0023	.0034	.10
.15	.0189	.0226	.0196	0052	.0027	.0050	.15
.20	.0164	.0244	.0209	0051	.0026	.0051	.20
.25	.0195	.0244	.0200	0060	.0031	.0048	.25
.30	.0098	.0236	.0194	0013	.0031	.0041	.30
.35	.0080	.0242	.0171	.0035	.0026	.0035	•35
.40	.0019	.0199	.0154	.0083	.0023	.0040	.40
.45	.0051	.0124	.0145	.0126	.0004	.0020	•45
.50	.0015	.0125	.0107	.0109	0051	0015	•50
•55	.0046	.0080	.0063	.0045	0082	0056	•55
.60	0004	0043	0065	0016	0149	0179	.60
.65	.0074	0081	0089	0059	0239	0284	•65
.70	.0246	.0013	.0022	.0056	0040	0064	.70
.75	.0375	.0297	.0314	.0355	.0314	.0299	.75
.80		.0387	.0402	.0459	.0438	.0439	.80
.85		.0490	.0490	.0545	.0528	.0548	.85
.90			.0611	.0641	.0621	.0641	.90

TEST 1514 BATCH 5 RUN 50 POINT 411

Q = 379.49 HO = 1876.6 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 3.87 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0076	0095	0076	0298	0225	0198	0.00
.05	0080	0076	0064	0320	0213	0196	.05
.10	0079	0068	0058	0326	0220	0207	.10
.15	0083	0057	0047	0292	0218	0187	.15
.20	0104	0057	0035	0303	0216	0180	.20
.25	0103	0064	0038	0302	0204	0172	• 25
.30	0414	0101	0067	0226	0195	0195	.30
•35	0461	0254	0213	0234	0334	0371	•35
•40	0405	0469	0433	0456	0590	0623	•40
.45	0421	0464	0529	0596	0640	0576	.45
•50	0429	0450	0470	0505	0551	0531	•50
•55	0387	0457	0448	0437	0544	<b></b> 0615	•55
.60	0385	0448	0437	0436	0609	0636	.60
.65	0304	0435	0426	0440	0622	0616	•65
.70	.0076	0382	0341	0326	0408	0396	.70
.75	.0013	0091	0067	0016	0035	0012	.75
.80		.0037	.0055	.0095	.0106	.0131	.80
.85		.0148	.0138	.0190	.0201	.0232	.85
.90			.0201	.0269	.0279	.0312	•90

TEST 1514 BATCH 5 RUN 50 POINT 412

Q = 379.33 HO = 1875.8 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 5.87 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0165	0190	0186	0393	0319	0294	0.00
.05	0168	0177	0177	0415	0306	0298	.05
.10	0182	0173	0171	0425	0317	0311	.10
.15	0190	0165	0159	0388	0313	0287	.15
.20	0287	0198	0180	0393	0306	0278	.20
.25	0302	0222	0183	0378	0305	0287	•25
.30	0628	0336	0271	0357	0390	0422	.30
.35	0608	0585	0558	0552	0727	0790	.35
.40	0621	0709	0764	0843	0878	0839	.40
.45	0570	0669	0689	0774	0736	0719	.45
.50	0583	0638	0636	0659	0714	0715	•50
• 55	0563	0609	0610	0605	0709	0793	•55
.60	0537	0596	0603	0588	0777	0794	.60
•65	0496	0586	0599	0592	0791	0776	•65
.70	0105	0507	0518	0489	0548	0523	.70
.75	0182	0236	0219	0163	0179	0147	.75
.80		0128	0119	0033	0043	0026	.80
.85		0106	0146	.0062	.0057	.0066	•85
•90			0192	0215	0081	.0070	.90

TEST 1514 BATCH 5 RUN 50 POINT 413

Q = 379.35 HO = 1875.9 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 7.83 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0252	0279	0253	0468	0397	0379	0.00
• 05	0263	0269	0245	0491	0391	0383	•05
.10	0273	0265	0239	0506	0401	0404	.10
•15	0380	0264	0237	0483	0402	0383	.15
.20	0458	0391	0361	0498	0389	0379	.20
.25	0510	0400	0362	0482	0453	0464	.25
•30	0814	0607	0547	0587	0708	0761	.30
• 35	0764	0858	0848	0894	1033	1048	.35
•40	0789	0867	0882	0994	0930	0918	.40
• 45	0747	0809	0812	0851	0857	0874	•45
•50	0725	0768	0778	0793	0841	0875	.50
• 55	0698	0737	0745	0727	0862	0918	• 55
•60	0676	0737	0741	0732	0908	0900	.60
•65	0650	0735	0737	0734	0918	0910	•65
.70	0300	0621	0599	0577	0636	0608	.70
•75	0470	0531	0479	0274	0292	0254	.75
.80		0661	0726	0428	0256	0251	.80
.85		0628	0747	0803	0634	0432	.85
<b>. 9</b> 0			0726	0859	0936	0903	.90

TEST 1514 BATCH 5 RUN 50 POINT 414

Q = 379.07 HO = 1874.5 PINF = 69.1 R/FT = 2.001

MACH= 2.800 ALPHA= 9.85 BETA = 0.00

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0318	0331	0312	0531	0482	0461	0.00
.05	0332	0317	0303	0557	0475	0478	.05
.10	0371	0317	0296	0584	0505	0527	.10
•15	0635	0349	0323	0613	0518	0491	.15
.20	0664	0658	0623	0636	0509	0510	.20
.25	0790	0636	0567	0601	0664	0701	.25
.30	0963	0820	0753	0789	0981	1027	.30
•35	0991	1018	1037	1088	1181	1177	.35
•40	0947	1001	1043	1079	1050	1048	.40
•45	0954	0965	0983	0985	1009	1030	•45
•50	0876	0924	0952	0951	0996	1019	•50
•55	0875	0898	0902	0879	0982	1005	•55
.60	0827	0900	0886	0877	1023	1011	•60
•65	0821	0902	0876	0881	1031	1019	•65
.70	0539	0899	0861	0831	0862	0825	.70
•75	0758	0951	0907	0710	0676	0614	.75
•80		1003	1032	0807	0735	0692	.80
· •85		0941	1078	1058	0946	0878	.85
•90			1035	1260	1292	1233	•90

TEST 1514 BATCH 5 RUN 50 POINT 415

Q = 379.19 HO = 1875.1 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.86 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0365	0382	0383	0597	0597	0542	0.00
• 05	0394	0373	0382	0631	0603	0601	.05
.10	0631	0383	0386	0677	0658	0730	.10
•15	0964	0514	0497	0826	0691	0660	.15
•20	0897	0927	0932	0895	0674	0695	.20
• 25	0964	0891	0866	0801	0873	0941	.25
•30	1078	0970	0901	0923	1165	1226	.30
•35	1099	1154	1150	1173	1298	1285	•35
•40	1072	1173	1204	1181	1209	1194	•40
<b>.</b> 45	1086	1148	1158	1118	1165	1183	.45
•50	1049	1124	1132	1096	1147	1163	•50
• 55	1032	1086	1096	1036	1111	1123	•55
•60	<b></b> 0957	1064	1055	1026	1151	1144	•60
•65	0966	1068	1038	1022	1159	1140	•65
• 70	0740	1087	1040	0995	1023	1001	•70
• 75	0950	1153	1180	0945	0934	0884	.75
•80		1189	1210	1100	1054	1025	•80
• 85		1112	1230	1334	1298	1228	.85
• 90			1177	1432	1453	1435	•90

TEST 1514 BATCH 5 RUN 50 POINT 418

Q = 379.35 HO = 1875.9 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 15.83 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0478	0540	0502	0753	0790	0762	0.00
•05	0657	0577	0544	0819	0880	0900	•05
.10	1256	0766	0721	1020	1216	1175	.10
•15	1297	1164	1145	1282	1203	<b></b> 1145	•15
.20	1260	1324	1345	1359	1124	1010	.20
•25	1285	1325	1341	1358	1045	1093	•25
.30	1265	1328	1328	1322	1187	1307	.30
•35	1292	1312	1284	1188	1381	1447	•35
•40	1262	1296	1306	1292	1419	1399	•40
•45	1306	1300	1323	1314	1363	1358	•45
•50	1228	1290	1304	<b></b> 1257	1328	1334	•50
• 55	1208	<b></b> 12 <b>7</b> 5	1282	1215	1298	1301	• 55
•60	1152	1272	1262	1189	1278	1298	•60
•65	1149	1284	1247	1185	1288	1303	•65
•70	0952	1332	1309	1245	1291	1284	•70
•75	1137	<b></b> 1350	1383	1379	1383	1279	•75
.80		1351	1370	1482	1499	<b></b> 1485	•80
•85		1245	1362	1505	1546	1523	.85
• 90			1298	1513	1564	<b></b> 1536	•90

TEST 1514 BATCH 5 RUN 50 POINT 419

Q = 379.33 HO = 1875.8 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.86 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0695	0746	0669	0920	0974	0943	0.00
.05	1066	0861	0809	1063	1138	1140	•05
.10	1429	1166	1138	1344	1446	1359	.10
.15	1435	1439	1449	1420	1440	1364	•15
.20	1415	1461	1490	1525	1438	1352	.20
•25	1430	1469	1489	1529	1418	1331	.25
.30	1421	1469	1487	1527	1388	1379	.30
•35	1439	1463	1474	1505	1421	1463	•35
.40	1422	1445	1458	1434	1466	1512	.40
•45	1416	1448	1438	1403	1484	1503	.45
•50	1363	1449	1423	1409	1475	1473	•50
•55	1371	1419	1409	1408	1448	1455	•55
•60	1287	1396	1413	1401	1429	1436	•60
•65	1291	1409	1393	1402	1421	<b></b> 1427	•65
.70	1105	1446	1450	1458	1466	1456	.70
•75	1278	1450	1469	1472	1517	1381	•75
.80		1443	1462	1502	<b></b> 1527	1519	.80
.85		1336	1455	1502	1526	1527	.85
• 90			1385	1500	1525	1526	<b>.9</b> 0

TEST 1514 BATCH 5 RUN 51 POINT 420

Q = 379.31 HO = 1875.7 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.86 BETA = -8.02

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0891	0939	0927	1045	0927	0908	0.00
.05	0870	0934	0952	1008	0889	0873	•05
.10	0600	0699	0771	0952	0928	0907	.10
.15	0873	0512	0438	0880	0818	0828	•15
.20	1180	1222	1158	0886	0868	0869	.20
.25	0830	1215	1176	0908	0745	0668	•25
.30	1221	1314	1321	0792	0607	0576	.30
.35	0678	1291	1304	0687	0588	0569	.35
.40	1198	1271	1282	0640	0611	0592	.40
.45	0775	1257	1271	0662	0669	0051	•45
•50	1205	1250	1268	0744	0771	0746	•50
•55	1036	1251	1267	0882	0925	0914	•55
.60	1246	1257	1274	1072	1114	1116	•60
.65	1200	1288	1285	1255	1295	<b></b> 1300	•65
.70	0414	0191	0117	1302	1317	1310	•70
•75	1185	.0284	.0327	1302	1329	1267	•75
.80		.0413	.0459	<b></b> 1325	1332	1314	.80
.85		.0412	•0405	1164	1135	1146	.85
.90			.0338	1185	1164	1184	•90

TEST 1514 BATCH 5 RUN 51 POINT 421

Q = 379.33 HO = 1875.8 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.86 BETA = -3.98

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0550	0612	0600	0789	0754	0700	0.00
.05	0622	0534	0538	0813	0724	0686	•05
.10	0964	0419	0436	0823	0687	0656	.10
.15	0750	0562	0404	0772	0643	0624	•15
.20	1186	1251	1271	0747	0617	0572	.20
.25	0716	1193	1212	0720	0579	0547	•25
.30	1222	1253	1228	0699	0626	0618	.30
.35	0891	1283	1306	0755	0733	0746	•35
•40	1202	1252	1279	0889	0900	0933	•40
•45	1149	1239	1255	1071	1125	1155	•45
•50	1177	1216	1241	1249	1314	1329	•50
•55	1138	1211	1241	1281	1298	<b></b> 1307	•55
•60	1215	1215	1231	1215	1233	1239	•60
•65	1135	1221	1220	1168	1216	1215	•65
.70	0404	0718	0779	1141	1170	1158	•70
.75	1110	0516	0395	1145	1199	1129	•75
.80		0569	0563	1175	1210	1194	.80
.85		0524	0648	1161	1195	1181	•85
•90			0671	1142	1173	1173	•90

TEST 1514 BATCH 5 RUN 51 POINT 422

Q = 379.21 HO = 1875.2 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.86 BETA = -2.02

#### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0418	0470	0455	0661	0645	0621	0.00
.05	0463	0418	0410	0697	0670	0634	.05
.10	0626	0362	0353	0754	0693	0627	.10
.15	0815	0502	0438	0813	0631	0601	.15
.20	1103	1146	1172	0771	0590	0568	.20
•25	0761	1126	1139	0719	0621	0656	•25
.30	1168	1113	1086	0771	0786	0842	.30
.35	1022	1238	1265	0945	1032	1083	.35
•40	1143	1212	1246	1156	1246	1266	.40
• 45	1120	1185	1206	1181	1197	1184	.45
•50	1095	1156	1180	1099	1125	1125	•50
• 55	1096	1131	1145	1051	1114	1112	•55
•60	1125	1127	1138	1029	1085	1074	.60
.65	1109	1124	1134	0986	1083	1074	.65
•70	0585	0967	0952	1070	1132	1115	.70
• 75	1085	0878	0842	1127	1191	1131	.75
.80		0933	0929	1240	1273	1258	.80
.85		0893	1009	1314	1341	1329	•85
•90			1008	1302	1338	1349	•90

TEST 1514 BATCH 5 RUN 51 POINT 423

Q = 379.11 HO = 1874.7 PINF = 69.1 R/FT = 2.001

MACH= 2.800 ALPHA= 11.86 BETA = 2.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0454	0456	0447	0644	0643	0625	0.00
.05	0379	0464	0458	0649	0611	0629	.05
.10	0713	0507	0497	0642	0731	0842	.10
.15	1151	0631	0615	0798	0904	0836	.15
.20	0698	0771	0788	1072	0815	0879	.20
•25	1115	0722	0716	1023	1140	1222	.25
.30	0993	0792	0759	1073	1383	1378	.30
• 35	1147	0992	0961	1335	1337	1317	•35
•40	1162	1183	1172	1302	1294	1288	.40
•45	1128	1225	1201	1243	1283	1280	•45
•50	1121	1194	1156	1203	1208	1217	•50
• 55	1102	1164	1120	1133	1240	1254	•55
•60	1043	1138	1088	1134	1253	1255	.60
•65	1036	1091	1031	1138	1254	1255	•65
.70	0801	1169	1111	0842	0817	0791	.70
•75	0953	1170	1174	0693	0613	0572	.75
.80		1169	1233	0820	0706	0677	.80
.85		1077	1217	1051	0906	0858	.85
• 90			1161	1206	1228	1161	•90

TEST 1514 BATCH 5 RUN 51 POINT 424

Q = 379.35 HO = 1875.9 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.86 BETA = 4.01

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0589	0592	0586	0757	0738	0691	0.00
.05	0423	0598	0585	0751	0709	0681	•05
.10	0689	0621	0604	0696	0771	0973	.10
.15	1247	0679	0659	0728	1132	1103	.15
.20	0669	0705	0678	1205	1050	1162	•20
.25	1152	0669	0634	1081	1361	1423	•25
.30	0788	0680	0647	1296	1423	1411	.30
.35	1199	0764	0753	1379	1360	1352	• 35
.40	1102	0928	0918	1321	1318	1326	.40
.45	1188	1118	1107	1269	1283	1297	• 45
•50	1169	1226	1238	1236	1303	1322	•50
•55	1180	1205	1216	1237	1320	1328	•55
.60	1108	1185	1180	1242	1324	1336	.60
.65	0864	1157	1135	1239	1339	1359	•65
.70	0918	1147	1127	0523	0479	0474	.70
.75	0668	1184	1162	0305	0223	0196	.75
.80		1177	1189	0476	0423	0313	.80
.85		1118	1177	0701	0629	0575	•85
<b>. 9</b> 0			1152	0838	0864	0838	•90

TEST 1514 BATCH 5 RUN 51 POINT 425

Q = 379.35 HO = 1875.9 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.85 BETA = 8.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0848	0869	0891	1020	0915	0875	0.00
.05	0850	0856	0871	1113	0975	0961	• 05
.10	0862	0853	0849	0926	1000	1192	.10
.15	1083	0870	0828	0795	1278	1289	.15
.20	0798	0915	0855	1206	1320	1364	.20
•25	1202	0753	0727	1243	1387	1368	.25
.30	0643	0698	0683	1371	1352	<b></b> 1351	.30
•35	1211	0629	0633	1350	1313	1369	• 35
•40	0722	0659	0644	1314	1338	1354	.40
•45	1190	0723	0703	1307	1377	1381	• 45
.50	0963	0822	0812	1305	1392	1393	•50
•55	1199	0971	0963	1300	1404	1441	• 55
.60	1181	1136	1138	1329	1406	1449	•60
•65	0433	1264	1266	1327	1444	<b></b> 1487	•65
.70	1010	1261	1272	0037	0051	.0004	.70
.75	.0057	1264	1282	.0452	.0448	.0492	• 75
.80		1250	1271	.0603	.0598	.0630	.80
.85		1132	1176	.0567	.0661	.0721	•85
.90			1163	.0253	.0457	.0556	•90

TEST 1514 BATCH 5 RUN 52 POINT 426

Q = 189.30 HO = 936.1 PINF = 34.5 R/FT = .999

MACH= 2.800 ALPHA= -.15 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
U.00	.0217	.0202	.0196	0006	.0038	.0068	0.00
.05	.0209	.0211	.0192	0052	.0037	.0060	•05
.10	.0205	.0208	.0197	0052	.0037	.0062	.10
.15	.0209	.0207	.0203	• 0045	.0043	.0071	.15
.20	.0180	.0227	.0212	0042	.0038	.0074	.20
.25	.0183	.0233	.0214	0048	.0040	.0065	.25
.30	.0102	.0232	.0215	.0010	.0033	.0054	.30
.35	.0122	.0162	.0221	• 0059	.0033	.0053	.35
•40	.0093	.0046	.0129	•0099	.0025	.0050	•40
• 45	.0108	.0035	.0043	.0139	.0019	.0051	• 45
•50	.0076	.0039	0002	.0140	.0003	.0032	•50
• 55	.0096	.0037	0015	.0126	0037	0010	• 55
.60	.0065	.0039	0013	•0005	0126	0147	•60
•65	.0145	.0027	0015	0075	0238	0266	•65
.70	.0411	.0103	.0080	• 0058	0038	0045	.70
• 75	.0435	.0309	.0317	•0375	.0320	.0328	•75
.80		.0430	.0428	•0466	.0460	.0473	.80
.85		.0554	.0518	•0564	.0556	.0583	•85
•90			.0625	•0653	.0635	•0675	•90

TEST 1514 BATCH 5 RUN 52 POINT 427

Q = 189.34 HO = 936.3 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 3.87 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0010	0041	0042	0224	0176	0155	0.00
• 05	0031	0044	0052	0281	0185	0171	•05
.10	0025	0046	0044	0278	0193	0172	.10
.15	0041	0038	0036	0165	0183	0158	.15
.20	0076	0041	0039	0265	0186	0157	.20
•25	0103	0054	0043	0259	0173	0147	.25
.30	0322	0118	0072	0197	0191	0195	.30
• 35	0313	0333	0237	0244	0341	0374	•35
.40	0304	0400	0406	0420	0530	0526	.40
• 45	0294	0398	0394	0504	0541	0488	•45
•50	0297	0385	0394	0447	0490	0480	•50
•55	0283	0371	0415	0402	0526	0592	•55
.60	0225	0358	0416	0398	0578	0601	•60
•65	0162	0356	0395	0398	0586	0586	•65
•70	.0236	0289	0319	0281	0383	0356	•70
•75	.0154	0045	0047	.0015	0017	.0022	•75
.80		.0084	.0077	.0118	.0117	.0143	.80
•85		•025 <b>9</b>	.0167	.0217	.0206	.0236	•85
•90			.0279	.0302	.0283	.0320	• 90

TEST 1514 BATCH 5 RUN 52 POINT 428

Q = 189.42 HO = 936.7 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 5.85 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0086	0144	0143	0332	0268	0248	0.00
•05	0106	0144	0153	0387	0280	0265	•05
.10	0116	0147	0143	0385	0284	0266	.10
.15	0142	0144	0136	0267	0278	0251	.15
•20	0223	0179	0178	0365	0269	0246	.20
•25	0258	0177	0199	0347	0271	0259	•25
•30	0497	0335	0303	0339	0388	0421	.30
•35	0468	0568	0538	0535	0685	0736	.35
.40	0479	0572	0609	0751	0791	0773	.40
•45	0453	0574	0597	0702	0703	0685	•45
•50	0455	0563	0598	0614	0674	0689	•50
•55	0435	0546	0586	0572	0708	0766	•55
•60	0392	0549	0584	0565	0752	0754	•60
.65	0333	0549	0554	0567	0759	0745	•65
.70	.0071	0477	0485	0462	0531	0492	.70
.75	0041	0218	0207	0121	0133	0092	.75
.80		0112	0093	0008	.0021	.0053	.80
.85		.0031	0068	0022	0002	.0078	•85
•90			0028	0126	0174	0138	•90

TEST 1514 BATCH 5 RUN 52 POINT 430

Q = 189.32 HO = 936.2 PINF = 34.5 R/FT = .999

MACH= 2.800 ALPHA= 7.88 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0190	0245	0218	0413	0353	0330	0.00
•05	0201	0232	0216	0463	0358	0342	•05
.10	0235	0237	0212	0472	0368	0355	.10
•15	0337	0237	0207	0357	0361	0339	.15
•20	0432	0384	0346	0477	0354	0342	.20
•25	0495	0403	0348	0440	0424	0429	•25
.30	0679	0583	0526	0554	0678	0727	.30
.35	0654	0748	0778	0828	0938	0944	• 35
•40	0652	0716	0794	0894	0875	0860	•40
•45	0634	0712	0758	0821	0821	0819	•45
•50	0631	0704	0728	0767	0799	0831	•50
•55	0612	0702	0707	0704	0844	0868	• 55
.60	0583	0717	0711	0704	0878	0861	.60
•65	0536	0715	0689	0700	0881	0870	•65
.70	0179	0631	0589	0505	0497	0493	.70
.75	0341	0491	0422	0401	0394	0271	•75
.80		0522	0576	0604	0647	0565	•80
.85		0430	0609	0679	0713	0692	•85
.90			0553	0699	0702	<b></b> 0689	•90

TEST 1514 BATCH 5 RUN 52 POINT 431

Q = 189.60 HO = 937.6 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 9.83 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0253	0280	0282	0477	0432	0406	0.00
.05	0267	0273	0287	0529	0443	0432	•05
.10	0365	0276	0281	0540	0467	0466	.10
.15	0603	0303	0308	0454	0471	0446	.15
.20	0685	0626	0587	0616	0456	0467	.20
.25	0704	0629	0516	0521	0605	0641	.25
.30	0829	0808	0657	0713	0916	0960	.30
.35	0847	0929	0929	1014	1090	1093	•35
.40	0810	0892	0962	1033	1014	1011	.40
. 45	0832	0892	0926	0968	0976	0969	• 45
.50	0784	0866	0903	0910	0956	0952	•50
• 55	0790	0823	0846	0852	0951	0962	•55
•60	0754	0846	0836	0839	0984	0975	.60
.65	0741	0841	0815	0834	0992	0970	•65
.70	0504	0840	0806	0804	0871	0812	.70
.75	0681	0846	0849	0828	0853	0755	•75
.80		0882	0915	0962	0993	0966	.80
.85		0801	0964	1047	1070	1034	.85
• 90			0923	1070	1082	1042	•90

TEST 1514 BATCH 5 RUN 52 POINT 432

Q = 189.48 HO = 937.0 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0281	0318	0327	0512	0520	0493	0.00
• 05	0316	0318	0338	0576	0548	0541	.05
.10	0538	0333	0341	0603	0608	0628	.10
•15	0845	0415	0433	0594	0612	0597	.15
.20	0833	0871	0843	0806	0585	0627	.20
•25	0835	0861	0788	0724	0772	0830	•25
•30	0922	0938	0853	0828	1067	1110	.30
•35	0938	1040	1033	1106	1188	1167	.35
•40	0912	1031	1070	1152	1129	1107	.40
• 45	0923	1028	1053	1112	1105	1090	•45
•50	0889	1028	1046	1071	1081	1065	.50
• 55	0896	0973	1014	1018	1052	1094	• 55
•60	0815	0965	0974	0968	1110	1121	•60
•65	0811	0969	0941	0958	1117	1112	•65
•70	0598	0986	0955	0975	1011	0971	.70
•75	0770	1016	1044	1034	0953	0865	•75
.80		1052	1088	1143	1136	1106	.80
.85		0913	1120	1185	1242	1233	•85
• 90			1029	1197	1278	1260	•90

TEST 1514 BATCH 5 RUN 52 POINT 433

Q = 189.50 HO = 937.1 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 15.88 BETA = 0.00

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0396	0452	0439	0660	0710	0683	0.00
.05	0576	0497	0490	0753	0822	0832	•05
.10	1052	0651	0627	0903	1088	1012	.10
.15	1130	1001	0992	0996	1111	1007	.15
.20	1092	1175	1192	1198	1075	0961	.20
.25	1112	1176	1180	1206	1020	1025	.25
.30	1107	1190	1185	1202	1159	1226	.30
•35	1131	1206	1209	1180	1312	1339	•35
.40	1102	1187	1221	1224	1341	1321	.40
•45	1130	1196	1214	1238	1316	1294	•45
•50	1065	1200	1217	1217	1279	1262	•50
•55	1058	1168	1203	1183	1241	1232	•55
•60	0951	1154	1180	1164	1221	1227	.60
•65	0945	1165	1152	1168	1230	1229	.65
.70	0742	1192	1201	1220	1258	1232	.70
•75	0926	1211	1245	1250	1340	1228	•75
.80		1221	1250	1302	1364	1348	.80
.85		1036	1255	1312	1381	1368	.85
.90			1133	1306	1386	1364	•90

TEST 1514 BATCH 5 RUN 52 POINT 434

Q = 189.50 HO = 937.1 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.84 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0565	0602	0571	0805	0876	0848	0.00
•05	0910	0727	0713	0970	1048	1056	.05
.10	1254	1009	0986	1194	1319	1252	•10
.15	1265	1280	1283	1117	1324	1262	.15
•20	1249	1319	1341	1360	1323	1256	.20
•25	1252	1327	1338	1369	1313	1265	•25
.30	1253	1331	1338	1372	1335	1316	.30
•35	1265	1334	1338	1370	1364	1382	•35
•40	1251	1319	1355	1367	1387	1404	•40
•45	1240	1333	1348	1346	1388	1392	•45
•50	1201	1333	1353	1335	1380	1365	•50
•55	1218	1298	1328	1321	1362	1360	•55
•60	1087	1266	1284	1304	1353	1354	.60
•65	1076	1289	1262	1313	1353	1348	•65
.70	0883	1317	1323	1348	1386	1359	.70
.75	1061	1326	1342	1317	1405	1264	.75
.80		1327	1344	1363	1401	1388	.80
•85		1125	1343	1365	1401	1397	.85
.90			1210	1363	1403	1392	•90

TEST 1514 BATCH 5 RUN 53 POINT 435

Q = 189.60 HO = 937.6 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 11.87 BETA = -8.03

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0704	0776	0777	0884	0835	0806	0.00
.05	0743	0758	0818	0942	0842	0812	.05
.10	0794	0569	0615	0906	0876	0833	.10
.15	0733	0569	0439	0719	0777	0784	.15
.20	0999	1108	1091	0837	0803	0794	.20
.25	0725	1096	1082	0832	0691	0627	.25
.30	1016	1123	1160	0722	0579	0548	.30
•35	0576	1122	1153	0635	0555	0541	.35
•40	1015	1097	1153	0596	0573	0558	•40
.45	0671	1114	1139	0613	0634	0613	•45
•50	1033	1114	1147	0690	0725	0704	•50
• 55	0929	1109	1151	0823	0874	0870	•55
•60	0846	1130	1173	1000	1063	1068	.60
•65	0784	1178	1136	1164	1226	1220	•65
•70	.0448	0187	0158	1213	1237	1218	.70
.75	0652	.0291	.0352	1175	1241	1166	.75
• 8.0		.0451	.0496	1206	1231	1217	.80
.85		.0612	.0526	1087	1090	1102	.85
• 90			.0563	1099	1118	1132	•90

TEST 1514 BATCH 5 RUN 53 POINT 436

Q = 189.36 HO = 936.4 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.87 BETA = -4.03

LTA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0463	0598	0576	0744	0710	0660	0.00
.05	0550	0490	0506	0786	0700	0660	.05
.10	0965	0316	0382	0766	0656	0610	.10
.15	0640	0578	0343	0595	0599	0563	.15
•20	1045	1178	1175	0687	0575	0525	.20
•25	0617	1173	1113	0656	0544	0507	.25
.30	1049	1146	1168	0638	0586	0572	.30
• 35	0752	1152	1215	0690	0680	0690	•35
•40	1040	1132	1192	0822	0834	0866	•40
• 45	1007	1146	1170	0996	1042	1074	.45
•50	1043	1115	1152	1145	1187	1203	•50
•55	1021	1129	1152	1158	1176	1201	•55
•60	0986	1131	1167	1128	1147	1162	.60
•65	0905	1153	1152	1097	1144	1134	•65
•70	.0109	0651	0684	1081	1129	1109	.70
• 75	0816	0406	0364	1074	1166	1086	•75
.80		0401	0418	1140	1173	1158	.80
• 85		0182	0476	1120	1145	1141	•85
• 90			0359	1109	1129	1134	•90

TEST 1514 BATCH 5 RUN 53 POINT 437

Q = 189.48 HO = 937.0 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.87 BETA = -2.03

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0360	0452	0435	0624	0619	0582	0.00
• 05	0433	0381	0385	0673	0644	0598	•05
.10	0773	0323	0312	0702	0653	0590	.10
•15	0711	0426	0384	0608	0595	0558	.15
.20	1005	1104	1104	0716	0558	0540	.20
• 25	0648	1106	1058	0662	0594	0621	.25
.30	1012	1072	1051	0698	0729	0783	.30
• 35	0894	1120	1187	0855	0944	1000	.35
• 40	1006	1106	1174	1046	1123	1147	•40
• 45	1011	1110	1140	1101	1130	1131	•45
• 50	0998	1081	1113	1083	1101	1096	•50
• 55	0998	1063	1085	1046	1082	<b></b> 1075	• 55
•60	0981	1077	1097	1008	1051	1039	•60
•65	0918	1083	1083	0952	1054	1038	•65
•70	0199	0895	0873	1035	1088	1066	.70
• 75	0868	0770	0751	1060	1157	1083	.75
.80		0782	0812	1164	1233	1228	.80
<b>.</b> 85		0584	0871	1179	1251	1261	.85
<b>. 9</b> 0			0750	1168	1245	1256	•90

TEST 1514 BATCH 5 RUN 53 POINT 438

Q = 189.58 HO = 937.5 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 11.86 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0363	0411	0406	0594	0598	0560	0.00
• 05	0314	0418	0430	0628	0593	0572	.05
.10	0654	0460	0453	0611	0680	0740	.10
•15	1018	0579	0543	0610	0836	0779	.15
.20	0690	0779	0762	0973	0770	0834	.20
• 25	0957	0704	0721	0928	1061	1129	•25
.30	0908	0742	0746	1004	1254	1261	.30
•35	0989	0942	0935	1194	1252	1255	•35
.40	1003	1097	1108	1200	1236	1229	.40
• 45	1008	1146	1155	1180	1221	1214	•45
•50	0987	1130	1134	1135	1175	1174	•50
• 55	0995	1121	1120	1077	1184	1187	•55
.60	0939	1118	1108	1067	1187	1190	.60
• 65	0904	1074	1031	1057	1184	1187	•65
• 70	0490	1049	1064	0876	0855	0812	.70
• 75	0804	1052	1068	0763	0768	0703	•75
.80		1047	1094	0899	0908	0896	.80
<b>.</b> 85		0836	1084	1007	1028	1007	•85
•90			0949	1067	1073	1034	•90

TEST 1514 BATCH 5 RUN 53 POINT 439

Q = 189.42 HO = 936.7 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = 4.02

### PRESSURE COEFFICIENTS FOR:

		_					
ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0463	0514	0503	0680	0671	0628	0.00
• 05	0363	0539	0534	0709	0650	0625	•05
.10	0619	0574	0546	0639	0730	0902	.10
.15	1111	0622	0585	0598	1056	1043	.15
.20	0592	0650	0639	1124	0988	1106	.20
.25	1045	0628	0633	1063	1247	1316	•25
.30	0724	0622	0633	1178	1337	1329	.30
.35	1047	0719	0728	1258	1302	1303	.35
.40	1004	0868	0890	1233	1266	1261	•40
.45	1053	1061	1059	1202	1250	1239	•45
.50	1050	1153	1142	1182	1237	1238	•50
• 55	1051	1140	1121	1171	1241	1254	•55
.60	0964	1133	1119	1168	1248	1270	.60
.65	0813	1124	1084	1164	1258	1298	.65
.70	0655	1102	1049	0544	0497	0485	.70
•75	0587	1088	1095	0367	0298	0236	•75
.80		1075	1114	0473	0450	0442	.80
.85		0920	1110	0609	0595	0593	•85
• 90			1006	0714	0721	0698	•90

TEST 1514 BATCH 5 RUN 53 POINT 440

Q = 189.50 HO = 937.1 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 11.86 BETA = 7.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0642	0711	0705	0849	0811	0775	0.00
•05	0631	0737	0749	0957	0863	0843	.05
.10	0708	0750	0748	0797	0864	1057	.10
.15	1026	0769	0758	0567	1200	1185	.15
.20	0702	0779	0789	1188	1213	1265	.20
.25	1056	0709	0683	1179	1316	1335	.25
.30	0607	0671	0631	1283	1313	1315	.30
.35	1054	0596	0586	1284	1304	1316	•35
.40	0697	0627	0622	1268	1316	1313	.40
•45	1066	0718	0701	1244	1310	1321	• 45
•50	0922	0820	0813	1235	1317	1324	•50
•55	1076	0951	0935	1233	1321	1343	•55
•60	1005	1082	1091	1238	1326	1346	.60
•65	0525	1174	1160	1247	1353	1360	•65
.70	0748	1169	1163	0115	0033	•0005	.70
.75	0072	1161	1172	.0444	.0489	.0549	.75
.80		1146	1174	.0571	.0649	•0690	.80
.85		0966	1127	.0576	.0634	.0712	.85
• 90			1031	.0416	.0410	•0556	•90

TEST 1514 BATCH 2 RUN 16 POINT 133

Q = 451.13 HO = 1051.5 PINF = 286.4 R/FT = 2.001

MACH= 1.500 ALPHA= -.42 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0236	.0256	.0275	0291	•0058	.0187	0.00
.05	.0259	.0280	.0258	0366	.0092	.0169	.05
.10	.0265	.0230	.0274	0365	.0112	.0051	.10
.15	.0267	.0280	.0239	0331	.0103	.0109	.15
.20	.0273	.0330	.0313	0320	.0146	.0158	.20
.25	.0273	.0307	.0313	0282	.0153	.0193	.25
.30	.0251	.0256	.0274	0295	•0135	.0216	.30
•35	.0241	.0253	.0299	0280	.0156	.0224	.35
•40	.0227	.0250	.0285	0208	.0161	.0222	.40
•45	.0199	.0230	.0291	0134	.0209	.0171	•45
•50	.0163	.0210	.0223	0120	.0059	.0151	• 50
•55	.0023	.0107	.0023	0318	.0065	.0139	• 55
•60	0120	0085	0072	0264	0315	0356	•60
•65	0112	0118	0050	0297	0326	0227	•65
.70	.0408	.0287	.0093	0188	0056	.0005	.70
75	.0438	.0344	.0407	.0309	.0298	.0388	•75
.80		.0492	.0525	.0452	•0440	.0531	.80
.85		.7350	.0652	.0516	.0521	.0620	.85
.90		.8314	.0616	•0608	.0603	.0705	<b>.9</b> 0

TEST 1514 BATCH 2 RUN 16 POINT 134

Q = 451.39 HO = 1052.1 PINF = 286.6 R/FT = 2.002

MACH= 1.500 ALPHA= 3.59 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0099	0107	0011	0535	0189	0140	0.00
.05	0083	0095	0037	0603	0180	0148	.05
.10	0063	0147	0024	0593	0217	0263	.10
•15	0078	0096	0058	0559	0269	<b></b> 0197	.15
.20	0040	0057	0003	0568	0232	0142	.20
.25	0083	0064	.0009	0524	0186	0084	.25
.30	0264	0100	0017	0531	0187	0023	.30
•35	0565	0154	0035	0493	0230	0076	.35
•40	0814	0455	0367	0687	0728	0475	•40
•45	0842	0979	0982	<b></b> 1278	1219	1055	• 45
•50	0690	0956	0942	1160	0983	1137	• 50
•55	0672	0696	0688	0951	0999	0913	• 55
•60	0638	0616	0621	0850	0937	0830	• 60
•65	0624	0592	0592	0880	0864	0819	• 65
.70	0123	0245	0529	0773	0657	<b></b> 0597	•70
•75	0104	0112	0144	0177	0219	0122	•75
.80		.0070	.0007	.0004	0035	.0076	.80
.85		.7132	.0155	.0074	.0074	.0206	•85
.90		.8342	.0122	.0168	.0192	.0336	•90

TEST 1514 BATCH 2 RUN 16 POINT 135

Q = 451.17 HO = 1051.6 PINF = 286.5 R/FT = 2.001

MACH= 1.500 ALPHA= 7.58 BETA = 0.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0317	0302	0317	0720	0480	0369	0.00
• 05	0309	0277	0332	0795	0487	0352	.05
.10	0342	0328	0306	0815	0517	0461	.10
.15	0533	0312	0344	0834	0507	0327	.15
.20	0450	0457	0437	0796	0453	0268	•20
.25	0739	0431	0410	<b></b> 0742	0459	0331	•25
•30	1112	0680	0572	0937	0797	0680	•30
•35	1491	<b></b> 1192	0967	1476	1486	1430	.35
•40	1331	1574	1544	1898	1782	1828	•40
• 45	1216	1364	1562	1543	1374	1558	.45
• 50	1134	1169	1119	1355	1349	1439	• 50
• 55	1117	1112	1028	1308	<b></b> 1375	1414	• 55
• 60	1109	1087	0943	1204	1328	1280	•60
• 65	1113	1125	0947	1250	<b></b> 1295	1232	• 65
.70	0906	0982	0877	1078	1087	1044	•70
• 75	1160	0818	0814	0484	0864	0575	.75
.80		0403	1363	1392	1142	0775	.80
•85		.6919	1781	2046	1491	<b></b> 1359	•85
•90		.8348	1914	1969	1729	1654	•90

TEST 1514 BATCH 2 RUN 16 POINT 136

Q = 451.22 HO = 1051.7 PINF = 286.5 R/FT = 2.001

MACH= 1.500 ALPHA= 11.57 BETA = 0.00

LIA       X/L=.1       X/L=.2       X/L=.3       X/L=.6       X/L=.8       X/L=.9         0.00      0614      0681      0594      1160      0841      0858         .05      0662      0671      0633      1231      0880      0890         .10      0885      0759      0743      1321      0993      1027         .15      1501      0953      1117      1434      0966      0867         .20      0953      1242      1508      1206      0888      0805         .25      1526      1077      1336      1061      0962      0940         .30      1787      1237      1409      1283      1296      1273         .35      2402      1730      1583      1799      1846      1888	ЕТА
.05	0.00
.15  1501  0953  1117  1434  0966  0867 .20  0953  1242  1508  1206  0888  0805 .25  1526  1077  1336  1061  0962  0940 .30  1787  1237  1409  1283  1296  1273	•05
.20095312421508120608880805 .25152610771336106109620940 .30178712371409128312961273	.10
.25152610771336106109620940 .30178712371409128312961273	.15
•30178712371409128312961273	.20
25 2/02 -12/0	.25
.35240217301583179918461888	.30
	.35
.40297924631632251626532709	•40
·45243631421504334434683375	.45
•50 -•2662 -•3062 -•1455 -•3741 -•2990 -•2489	•50
•55233027021530285924872174	• 55
.60232124621928259724202152	.60
·65 -·2494 -·2307 -·2686 -·2534 -·2511 -·2034	•65
<b>.</b> 70	.70
•75 -•2941 -•1667 -•3118 -•2362 -•2345 -•2549	.75
<b>.</b> 80	.80
.85 .66433521231024072560	.85
.90 .83593463222724162840	•90

TEST 1514 BATCH 2 RUN 15 POINT 127

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= -.27 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0272	.0255	.0280	0171	.0064	.0104	0.00
.05	.0280	.0272	.0261	0230	•0076	.0112	•05
.10	.0284	.0234	.0283	0221	.0075	.0017	.10
.15	.0273	.0270	.0265	0185	•0059	.0055	.15
.20	.0286	.0318	.0329	0158	.0099	.0094	.20
.25	.0279	.0295	.0337	0129	.0109	.0120	.25
.30	.0251	.0252	.0295	0153	•0088	.0142	.30
.35	.0239	.0249	.0308	0115	.0100	.0155	.35
•40	.0217	.0248	.0293	0055	.0103	.0167	•40
.45	.0189	.0230	.0281	0001	.0142	.0114	•45
•50	.0123	.0210	.0206	0009	0024	.0062	•50
• 55	0062	.0090	0031	0211	0018	.0045	• 55
•60	0104	0079	0100	0136	0350	0448	.60
• 65	0093	0095	0074	0147	0361	0303	• 65
•70	.0421	.0309	.0078	0014	0085	0052	•70
.75	.0468	.0403	.0392	.0418	.0293	.0323	•75
.80		.0563	.0500	.0536	.0448	•0462	.80
.85		1.0453	.0627	.0600	.0558	.0550	•85
•90		.9412	.0624	.0682	.0669	.0637	.90

TEST 1514 BATCH 2 RUN 15 POINT 128

Q = 456.98 HO = 1115.0 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 3.75 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0067	0083	0046	0459	0226	0216	0.00
.05	0050	0058	0056	0509	0206	<b></b> 0199	• 05
.10	0042	0091	0036	0503	0207	0286	.10
.15	0059	0056	0045	0469	0242	0228	•15
.20	0015	0020	.0013	0461	0213	0174	.20
.25	0065	0036	.0038	0434	0192	0130	.25
.30	0259	0069	.0012	0459	0221	0077	.30
•35	0582	0145	0023	0429	0301	0208	•35
•40	0821	0507	0407	0676	0807	0752	•40
.45	0767	0933	0955	1159	1109	1128	•45
•50	0653	0843	0855	0970	0864	1040	• 50
• 55	0620	<b></b> 0654	0647	0798	0916	0966	• 55
•60	0599	0600	0591	0703	0929	0882	• 60
• 65	0579	0599	0560	0720	0863	0847	• 65
.70	0090	0255	0498	0624	0610	0635	•70
•75	0042	0079	0122	0092	0121	<b></b> 0167	•75
.80		.0107	.0021	.0070	.0048	.0020	•80
.85		1.0112	.0160	•01 54	.0132	.0144	•85
.90		.9441	.0155	.0252	.0222	.0267	•90

TEST 1514 BATCH 2 RUN 15 POINT 129

Q = 456.98 HO = 1115.0 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 7.74 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0291	0287	0279	0705	0499	0462	0.00
• 05	0266	0260	0288	0759	0484	0433	•05
.10	0328	0283	0268	0773	0505	0523	.10
•15	0498	0278	0309	0780	0523	0425	.15
.20	0462	0429	0447	0716	0487	0379	.20
•25	0719	0402	0395	0668	0554	0461	.25
.30	1130	0638	0569	0881	0913	0835	.30
• 35	1365	1109	0985	1332	<b></b> 1517	1553	.35
.40	1286	1465	1507	1747	1743	1870	•40
• 45	1144	1275	1390	1445	1375	<b></b> 1502	.45
• 50	1133	1099	1060	1275	1329	1425	• 50
• 55	1046	1048	0987	1219	1342	1405	• 55
•60	1089	1007	0914	1106	1347	1273	•60
• 65	1035	1026	0918	1130	1329	1259	•65
•70	0734	0883	0866	1025	1058	1064	.70
•75	1449	0698	0665	0454	0638	0635	•75
.80		0332	1030	0838	0968	0700	.80
. 85		.9807	1481	1460	1266	1059	.85
•90		•9477	1695	1675	1386	1298	•90

TEST 1514 BATCH 2 RUN 15 POINT 130

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.72 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0511	0564	0572	0994	0815	0777	0.00
• 05	0565	0537	0587	1063	0827	0837	•05
.10	0818	0608	0672	1152	0933	0977	.10
•15	1381	0844	1014	1324	0909	0851	.15
.20	0858	1232	1399	1163	0833	0796	.20
• 25	1386	1110	1304	1008	0947	0979	•25
.30	1792	1204	1274	1307	1371	1394	.30
• 35	2178	1711	1405	1838	2011	2062	.35
.40	2460	2299	1431	2512	2729	2774	.40
• 45	2051	2476	1318	2930	2782	2670	.45
• 50	2165	2265	1336	2405	2257	2129	•50
• 55	1930	2113	1525	2192	2174	2033	• 55
• 60	1880	2066	2114	2150	2209	2090	.60
• 65	2064	1839	2291	2055	1999	1782	• 65
•70	2508	1433	2272	2445	2221	2167	•70
• 75	2604	1486	2662	2321	2180	2234	•75
.80		2704	2982	2322	2256	2346	.80
. 85		•9457	3107	2240	2284	2349	.85
•90		• 9489	3062	2142	2288	2398	•90

TEST 1514 BATCH 2 RUN 15 POINT 131

Q = 456.94 HO = 1114.9 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 15.74 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0823	0856	0815	1315	1358	1246	0.00
•05	1287	0884	0928	1447	1489	1445	.05
.10	2232	1216	1315	1893	1743	1734	.10
•15	2459	2080	2199	2427	1697	1729	.15
.20	2329	2481	2521	2341	1565	1476	.20
•25	2205	2501	2583	2287	1455	1720	.25
.30	2247	2393	2263	1802	1977	2202	.30
.35	2792	2061	2048	2151	2579	<b></b> 2751	.35
.40	3008	2637	2548	2742	3156	3272	.40
.45	3149	3186	2896	3278	3611	<b></b> 3543	.45
•50	2898	3113	2958	3558	3343	3021	•50
•55	2998	2956	2781	<b></b> 3133	3091	2949	•55
.60	2814	2802	2734	3012	3043	3045	.60
•65	<b></b> 2703	2739	2746	3013	3170	3043	.65
•70	3045	2095	3012	2790	2569	2665	.70
.75	2716	2712	3022	2661	2680	2821	.75
.80		3271	3067	2664	2718	2755	.80
.85		.9125	2985	2630	2723	2797	.85
•90		.9509	2922	2570	2692	2948	.90

TEST 1514 BATCH 2 RUN 14 POINT 121

Q = 456.98 HO = 1115.0 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = -8.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1184	1259	1184	1684	1234	1063	0.00
.05	1217	0899	0875	1749	1188	1036	•05
•10	1574	0460	0408	1599	1000	0957	.10
•15	1167	1229	0866	1325	0937	0970	.15
.20	2912	3043	3047	1216	0927	0890	.20
• 25	0994	3018	3049	1171	0684	0664	.25
•30	3155	2611	2576	1160	0657	0683	•30
•35	0985	3260	3346	1053	0717	0785	•35
•40	2964	<b></b> 3182	3317	1104	0823	0880	•40
• 45	1319	3017	<b></b> 3065	1199	0922	0981	• 45
• 50	2840	2953	2900	1348	1134	1176	• 50
• 55	1913	2903	2832	<b></b> 1552	1458	1486	• 55
• 60	2843	2869	<b></b> 2765	1883	1854	1873	• 60
• 65	2315	2828	2743	2252	2234	2207	• 65
.70	0240	1071	1519	2277	2133	2219	.70
•75	2311	0375	0374	2310	2214	2262	•75
.80		0096	0027	2571	2423	2400	.80
• 85		1.3688	0031	2086	1892	1898	.85
•90		.9043	0289	1733	1897	1925	•90

TEST 1514 BATCH 2 RUN 14 POINT 122

Q = 456.98 HO = 1115.0 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = -4.03

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0748	0848	0794	1241	1023	0833	0.00
• 05	0913	0661	0665	1310	1041	0928	•05
.10	0824	0449	0468	1362	0933	0899	.10
.15	1032	0554	0573	1277	0858	0856	.15
.20	1956	2140	2139	1074	0784	0732	.20
.25	0969	2069	2090	0999	0726	<b></b> 0731	•25
.30	2621	1861	1792	1046	0840	0821	.30
•35	1381	2765	2687	1143	0979	0986	•35
•40	2384	2754	2499	1334	1250	1261	•40
• 45	2186	2522	2276	1668	1628	1674	.45
• 50	2155	2367	2274	2160	2172	2222	• 50
• 55	2344	2268	2170	2689	2774	2816	. 55
• 60	2165	2196	2175	2860	2710	2607	•60
• 65	2202	2167	2176	2335	2262	2132	• 65
.70	1908	1372	1834	2133	2090	1982	.70
•75	1917	0707	1442	2164	2123	2040	•75
.80		1901	1923	2122	2000	1929	.80
.85		1.3138	2374	<b></b> 1890	<b>19</b> 00	1880	•85
•90		.9117	2953	1837	1953	1985	<b>.9</b> 0

TEST 1514 BATCH 2 RUN 14 POINT 123

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = -2.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0625	0642	0601	1084	0896	0803	0.00
• 05	0765	0536	0525	1181	0906	0881	.05
.10	0865	0464	0443	1286	0890	0929	.10
.15	1153	0618	0667	1313	0831	0837	.15
•20	1379	1595	1667	1073	0754	0737	.20
•25	1123	1510	1473	0985	0759	0802	.25
•30	2038	1504	1623	1104	0965	0981	.30
•35	1894	2351	2198	1339	1269	1297	.35
•40	1858	2532	2306	1742	1765	1787	•40
• 45	2376	2281	2083	2309	2370	2421	•45
• 50	1813	2097	1980	2903	2991	2991	• 50
• 55	2190	1969	1940	2871	2539	2350	• 55
•60	2027	1823	1830	2362	2232	2091	.60
• 65	2061	1816	1781	2214	2180	2064	•65
•70	2700	1367	1873	2117	2035	1859	•70
•75	2141	1568	2219	2062	<b></b> 1958	<b>195</b> 0	•75
.80		2722	2674	1986	1986	2038	.80
.85		1.2580	3119	1933	2016	2043	•85
•90		•9194	3380	1874	2012	2090	•90

TEST 1514 BATCH 2 RUN 14 POINT 124

Q = 457.02 HO = 1115.1 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.72 BETA = 2.02

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0611	0629	0665	1068	0821	0790	0.00
.05	0492	0659	0744	1056	0788	0807	.05
.10	0897	0758	0851	1075	0982	1090	.10
.15	1483	0927	1064	1341	1052	<b></b> 0882	.15
.20	0875	1056	1223	1466	1044	1007	.20
.25	1704	0932	1087	1141	1544	1658	.25
.30	1196	0993	1124	1793	2360	<b></b> 2475	.30
.35	2607	1248	1236	2627	2651	2790	.35
•40	2256	1688	1458	2560	2184	2254	•40
•45	2290	2273	1624	2094	2068	2109	• 45
• 50	2414	2696	1538	2005	2096	2107	• 50
• 55	1942	2543	1460	1936	2015	1988	• 55
•60	2252	2272	1545	<b></b> 1779	2041	1922	•60
• 65	2041	2069	1740	1824	2026	1929	• 65
.70	<b></b> 2177	<b></b> 1743	2967	1909	2002	1849	.70
•75	<b></b> 2595	1610	2594	<b></b> 2316	2245	2016	•75
.80	•	1991	2644	2706	2574	2411	.80
•85		1.2050	2567	3015	2886	<b></b> 2775	.85
.90		•9244	2540	3120	3081	3172	•90

TEST 1514 BATCH 2 RUN 14 POINT 125

Q = 456.86 HO = 1114.7 PINF = 225.8 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = 4.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0717	0817	0817	1209	0922	0850	0.00
• 05	0426	0849	0917	1165	0833	0766	•05
.10	0959	0942	1000	1106	1124	1275	.10
•15	2000	1019	1092	1480	1410	1263	.15
.20	0886	1017	1109	1900	1249	1370	•20
•25	1989	0908	0994	1415	2102	<b></b> 2357	•25
•30	1017	0918	1008	2243	3020	3181	.30
•35	2537	1025	1102	3085	2817	3025	•35
•40	1659	1257	1324	2608	2517	2585	•40
• 45	2343	1647	<b></b> 1658	2343	2484	2459	•45
• 50	2430	2145	- <b>.</b> 2059	2322	2488	2446	•50
• 55	2087	2629	2316	2163	2385	2343	•55
•60	2277	2548	2211	2127	2374	2320	•60
• 65	2012	2249	2205	2137	2355	2293	•65
•70	2045	1993	2772	1883	1839	1770	•70
.75	2418	1971	2440	1435	1420	1205	•75
.80		1901	2206	1907	1781	1521	.80
.85		1.1403	2041	2394	2159	1960	.85
•90		• 9334	1977	2792	2504	2402	.90

TEST 1514 BATCH 2 RUN 14 POINT 126

Q = 456.94 HO = 1114.9 PINF = 225.9 R/FT = 2.003

MACH= 1.700 ALPHA= 11.73 BETA = 8.01

### PRESSURE COEFFICIENTS FOR:

0.00110712051097161411681094	0.00 .05
	•05
.05042911951203140809040846	
.10108911661187110815342112	.10
•15 -•3010 -•1128 -•1135 -•2018 -•2566 -•2437	.15
.20107410731022287420872025	.20
.25268709850980240929183248	• 25
.30099709260932284437203876	.30
.35298908750850360737143742	• 35
.40108409280925347233203294	.40
.45284910631068306031093100	•45
.50153912481279290030553061	•50
•55 -•2717 -•1530 -•1552 -•2820 -•2984 -•2962	• 55
.60234518991918272329672914	•60
.65266722592226273029422920	• 65
.70245422552552168814991397	.70
.75035723612573040004090328	•75
<b>.</b> 80	.80
.85 1.099823170006 .0080 .0244	.85
.90 .938919100416 .0036 .0321	•90

TEST 1514 BATCH 2 RUN 17 POINT 137

Q = 231.03 HO = 563.7 PINF = 114.2 R/FT = 1.013

MACH= 1.700 ALPHA= -.26 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0350	.0323	.0359	0075	.0139	.0162	0.00
.05	.0363	.0345	.0349	0126	.0152	.0169	.05
.10	.0356	.0308	.0352	0134	.0141	.0102	.10
.15	.0334	.0320	.0325	0095	.0139	.0110	.15
.20	.0331	.0345	.0356	0088	.0135	.0112	.20
.25	.0301	.0311	.0343	0104	.0125	.0119	.25
.30	.0260	.0266	.0297	0128	.0087	.0115	.30
.35	.0243	.0242	.0275	0115	.0071	.0114	.35
.40	.0183	.0231	.0239	0095	.0058	.0105	•40
.45	.0028	.0191	.0199	0066	.0068	.0054	•45
• 50	0081	.0147	.0139	0045	0031	0003	• 50
• 55	0078	.0052	.0062	0117	0101	0070	• 55
.60	0067	0111	0121	0224	0383	0465	.60
• 65	0053	0185	0222	0251	0467	0416	.65
.70	.0400	.0104	0032	0137	0218	0195	.70
•75	.0413	.0267	.0263	.0269	.0150	.0158	.75
.80		.0383	.0372	.0377	.0293	.0281	.80
.85		1.8086	.0448	.0436	.0388	.0366	.85
.90		2.3721	.0560	.0508	.0479	.0448	•90

TEST 1514 BATCH 2 RUN 17 POINT 139

Q = 227.83 HO = 555.9 PINF = 112.6 R/FT = .999

MACH= 1.700 ALPHA= 3.72 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0136	0146	0100	0483	0279	0289	0.00
.05	0096	0095	0084	0501	0239	0243	•05
.10	0067	0103	0048	0491	0228	0267	.10
.15	0068	0055	0033	0427	0219	0201	•15
.20	0028	0002	.0037	0406	0187	0152	.20
.25	0060	.0018	.0073	0379	0151	0087	• 25
.30	0225	.0007	.0070	0356	0137	0022	.30
.35	0534	0091	.0016	0312	0181	0107	•35
.40	0637	0405	0326	0520	0615	0575	•40
.45	0557	0688	0709	0916	0964	0896	.45
•50	0528	0634	0692	0890	0763	0894	• 50
•55	0483	0528	0530	0657	<b></b> 0756	0863	•55
•60	0497	0483	0466	0562	0829	0752	•60
•65	0493	0474	0451	0561	0745	0707	.65
.70	.0033	0156	0310	0441	0480	0477	.70
•75	.0073	.0114	.0056	.0078	.0035	.0014	.75
.80		.0262	.0218	.0255	.0202	.0197	.80
.85		1.7870	.0334	.0375	.0306	.0321	.85
.90		2.4133	.0364	.0469	•0404	.0445	.90

TEST 1514 BATCH 2 RUN 17 POINT 140

Q = 228.49 HO = 557.5 PINF = 112.9 R/FT = 1.002

MACH= 1.700 ALPHA= 7.75 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0345	0323	0334	0721	0541	0501	0.00
.05	0306	0263	0309	0739	0495	<b></b> 04 56	.05
•10	0328	0253	0284	0745	0500	0490	.10
•15	0473	0232	0291	0701	0486	0404	.15
•20	0458	0374	0392	0642	0448	0362	.20
•25	0691	0322	0331	0587	0481	0397	.25
•30	1066	0537	0483	0719	0737	0692	.30
•35	1200	0971	0880	1134	1302	1344	.35
•40	1161	1215	1322	1586	1625	1689	.40
.45	1051	1100	1245	1412	1292	1427	.45
• 50	1052	1007	1045	1166	1213	1313	•50
• 55	0948	0925	0932	1078	1236	1269	.55
• 60	0977	0895	0841	0979	1255	1167	.60
<b>.</b> 65	0945	0903	0856	0991	1215	1143	.65
•70	0403	0743	0762	0896	0973	0954	.70
.75	1087	0538	0390	0340	0489	0488	.75
.80		0234	0522	0371	0517	0381	.80
<b>.</b> 85		1.7347	1100	0815	0760	0533	.85
•90		2.4012	1379	1322	1037	0866	•90

TEST 1514 BATCH 2 RUN 17 POINT 141

Q = 229.72 HO = 560.5 PINF = 113.6 R/FT = 1.007

MACH= 1.700 ALPHA= 11.73 BETA = 0.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0469	0560	0504	0944	0760	0717	0.00
.05	0486	0500	0468	<b></b> 0942	0728	0711	•05
.10	0691	0537	0517	1006	0789	0762	.10
•15	1258	0671	0791	1104	<b></b> 0753	0708	.15
.20	0877	1009	1168	1060	0671	0665	.20
•25	1303	0911	1074	0830	0793	0833	.25
.30	<b></b> 1660	1014	1045	1150	1233	1276	.30
•35	1737	1540	1148	1764	1920	1968	.35
.40	2026	2113	1134	2350	2478	<b></b> 2561	.40
• 45	1904	2229	1079	2328	2198	2253	•45
• 50	1878	2081	1129	1978	1920	1905	•50
• 55	<b></b> 1956	1974	<b></b> 1398	1846	1882	1813	• 55
• 60	<b></b> 1812	1872	1906	1786	1861	1771	.60
•65	2007	1526	1780	1652	1776	1610	•65
.70	2276	1181	1914	2182	2036	1844	.70
•75	2245	1117	2432	2202	2106	2074	.75
.80		2572	2884	2346	2231	2267	.80
.85			3054	2334	2298	2333	•85
• 90			2904	2218	2305	2387	.90

TEST 1514 BATCH 2 RUN 17 POINT 142

Q = 230.91 HO = 563.4 PINF = 114.1 R/FT = 1.012

MACH= 1.700 ALPHA= 15.76 BETA = 0.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0734	0796	0743	1252	1179	1180	0.00
.05	1029	0782	0812	1341	1257	1323	.05
.10	1910	1047	1133	1679	1545	1502	.10
•15	2200	1751	1912	2060	1532	1486	.15
.20	2020	2158	2221	2022	1367	1290	•20
.25	2023	2155	2260	2034	1376	1546	.25
.30	2168	1890	1928	1472	1871	2023	.30
•35	2670	2034	1872	2043	2473	2593	.35
•40	2777	2587	2300	2698	3062	3146	•40
• 45	2919	2916	2462	3227	3356	<b></b> 3135	.45
• 50	2676	2774	2438	3203	3032	2789	• 50
• 55	2811	2695	2463	2967	2865	2694	• 55
• 60	2526	2599	2513	2851	2840	2775	•60
•65	2568	2548	2524	2811	2826	<b></b> 2598	• 65
.70	2798	1881	2917	2518	2502	2665	.70
•75	2553	2397	2959	2566	2602	<b></b> 2705	.75
.80		3136	3093	2587	2617	2691	.80
• 85			3029	2540	2629	2726	•85
• 90			2940	2484	2627	2864	•90

TEST 1514 BATCH 2 RUN 18 POINT 143

Q = 227.10 HO = 554.1 PINF = 112.3 R/FT = .995

MACH= 1.700 ALPHA= 11.72 BETA = -8.02

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	EΤΑ
0.00	1149	1173	1132	1541	1149	1044	0.00
.05	1162	0864	0846	1493	1111	1017	.05
.10	1299	0453	0361	1449	1060	0984	.10
•15	1127	0894	0721	1347	0949	0968	.15
.20	2653	2836	2790	1152	0934	0902	.20
.25	0965	2742	2740	1160	0731	0697	.25
.30	2963	2443	2387	1025	0680	0687	•30
.35	0918	<b></b> 2993	3176	0917	0712	0745	•35
.40	2770	2906	3040	0947	0779	0802	•40
.45	<b></b> 1178	2812	2891	1009	0861	0880	•45
.50	2634	2777	2777	1130	1025	1053	• 50
.55	1740	2702	2660	1337	1293	1329	• 55
.60	2535	2672	2588	1678	1685	1704	.60
•65	2171	2629	2560	2085	2104	2087	• 65
.70	0234	1023	1367	2148	2138	2137	•70
.75	2122	0232	0172	2202	2208	2178	•75
.80		.0213	.0297	2355	2351	2263	.80
.85			.0435	1848	1857	<b></b> 1743	•85
.90			0544	1691	1775	1802	•90

# TEST 1514 BATCH 2 RUN 18 POINT 145

Q = 227.01 HO = 553.9 PINF = 112.2 R/FT = .995

MACH= 1.700 ALPHA= 11.72 BETA = -4.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0687	0788	0724	1183	0954	0837	0.00
.05	0826	0654	0626	1233	0963	0874	.05
.10	0712	0501	0461	1237	0944	0874	.10
•15	0952	0513	0492	1145	0808	0829	.15
•20	<b></b> 1845	1986	1913	1024	0757	0747	•20
•25	0918	1865	<b></b> 1767	0972	0730	<b></b> 0753	.25
.30	2362	1817	1738	0994	0815	0818	.30
.35	1311	2505	2532	1077	0938	0951	.35
•40	2235	2373	2385	1231	1156	1177	•40
•45	2039	2284	2235	1540	1507	1541	•45
•50	2098	2227	2208	2023	2052	2090	• 50
•55	2173	2121	2057	2546	2655	2668	• 55
•60	1990	2136	2081	2701	2592	2525	• 60
•65	2038	2110	2081	2331	2192	2082	• 65
.70	1825	1319	1598	2055	2013	1928	.70
•75	1900	0631	0986	2064	2011	<b></b> 1927	•75
.80		1401	1835	1900	1868	1828	.80
.85			2272	<b></b> 1751	1825	1831	.85
.90			2254	1710	1826	1901	<b>.9</b> 0

TEST 1514 BATCH 2 RUN 18 POINT 146

Q = 229.06 HO = 558.9 PINF = 113.2 R/FT = 1.004

MACH= 1.700 ALPHA= 11.72 BETA = -2.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0557	0660	0544	1067	0859	0788	0.00
.05	0648	0551	0447	1095	0806	0800	.05
.10	0647	0499	0383	1138	0774	0816	.10
.15	1050	0516	0633	1097	0682	0722	.15
.20	1254	1238	1517	0936	0621	0655	•20
.25	1031	1108	1377	0856	0627	0681	.25
.30	1946	1319	1430	0943	0787	0803	.30
•35	1380	2161	1725	1148	1058	1079	•35
•40	1819	2362	1767	1534	1547	1555	•40
• 45	1619	2200	1751	2105	2196	2221	• 45
• 50	1723	2070	<b></b> 1779	<b></b> 2665	2783	2758	• 50
• 55	1955	1938	1782	2605	2462	2250	• 55
• 60	1863	1683	1683	2218	2092	1912	• 60
• 65	2209	1628	1600	2027	1999	1854	• 65
.70	2549	1250	1562	1947	1848	1661	.70
•75	2193	0690	1947	<b></b> 1873	1823	1829	•75
.80		2532	2712	1846	1846	1921	•80
•85			2836	1809	1874	1916	.85
•90			2771	1761	1886	<b></b> 1965	•90

TEST 1514 BATCH 2 RUN 18 POINT 147

Q = 230.78 HO = 563.1 PINF = 114.1 R/FT = 1.012

MACH= 1.700 ALPHA= 11.72 BETA = 2.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0500	0524	0504	0937	0721	0682	0.00
.05	0380	0525	0562	0924	0677	0666	.05
.10	0762	0605	0651	0940	0817	0853	.10
.15	1353	0759	0836	1137	0915	0795	.15
.20	0808	0890	0997	1325	0891	0923	.20
• 25	1624	0817	0931	1026	1412	1550	.25
•30	1122	0840	0966	1665	2156	2311	•30
.35	2244	1148	<b></b> 1132	2393	2368	2470	.35
•40	1929	1633	1346	2259	2004	2104	•40
• 45	2134	2198	1444	1976	1925	<b></b> 1999	• 45
• 50	1893	2383	1346	1884	1936	2001	• 50
• 55	1927	2248	1324	1762	1929	1936	• 55
• 60	1790	2141	1419	1699	2004	1926	• 60
• 65	1936	1990	1715	1731	<b>~.</b> 1989	1919	• 65
.70	2221	1686	2631	1725	1853	1733	•70
•75	2293	1580	2461	1872	1868	1639	•75
.80		2026	2600	2308	2212	2023	.80
.85			2608	2738	2555	2421	.85
• 90			2569	3025	2886	2867	.90

TEST 1514 BATCH 2 RUN 18 POINT 148

Q = 227.55 HO = 555.2 PINF = 112.5 R/FT = .997

MACH= 1.700 ALPHA= 11.72 BETA = 4.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0624	0695	0673	1109	0841	0797	0.00
.05	0379	0733	0768	1088	0773	0740	• 05
.10	0839	0816	0837	1026	0982	1099	.10
.15	1831	0896	0930	1276	1272	1117	.15
.20	0832	0918	0960	1668	1175	<b></b> 1277	.20
.25	1890	0859	0894	1302	1997	2182	.25
.30	0976	0876	0912	2132	2808	2962	•30
.35	2295	0990	1025	2763	2720	2856	•35
.40	1587	1205	1243	2485	2434	2503	•40
.45	2221	<b></b> 1577	1561	2323	2393	2380	• 45
• 50	2240	2047	1939	2281	2377	2382	<b>.</b> 50
• 55	1990	2386	2159	2083	2336	2290	• 55
•60	<b></b> 2077	2297	2138	2074	2323	<b></b> 2257	• 60
.65	<b></b> 1913	2199	2108	2083	2309	2236	• 65
.70	2012	2081	2505	1814	1790	<b></b> 1758	.70
•75	1923	1833	2318	1049	1086	0994	.75
.80		1912	2142	1319	1219	0991	.80
.85			2005	1950	1609	1347	.85
.90			1946	2594	2132	1950	•90

TEST 1514 BATCH 2 RUN 18 POINT 149

Q = 227.18 HO = 554.3 PINF = 112.3 R/FT = .996

MACH= 1.700 ALPHA= 11.72 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1082	1146	1083	1498	1095	1021	0.00
.05	0458	<b></b> 1125	1159	1380	0881	0820	.05
.10	1057	1088	1121	1066	1341	1802	.10
.15	2751	1055	1090	<b></b> 1708	2288	2055	.15
.20	1047	1031	1076	2600	1887	1879	.20
.25	2517	0942	0968	2232	2806	3117	.25
.30	0964	0861	0888	2702	3542	3645	.30
.35	2712	0811	0826	3366	3352	3408	.35
.40	0984	0826	0874	3111	3086	3081	•40
.45	2615	0928	0979	2891	2950	2955	•45
• 50	1373	1096	1144	2786	2902	2907	• 50
• 55	2468	1371	1384	2627	2796	2771	• 55
• 60	2155	<b></b> 1738	1698	2565	2807	<b></b> 2758	•60
• 65	<b></b> 2377	2115	2043	<b></b> 2567	2785	2752	• 65
.70	2251	2169	2499	1624	1404	1322	.70
.75	0307	2211	2521	0220	0261	0206	•75
.80		2091	2571	.0185	.0119	.0186	.80
.85			2180	.0430	.0361	• 04 50	•85
.90			1805	.0322	.0587	.0690	•90

TEST 1514 BATCH 2 RUN 19 POINT 150

Q = 449.18 HO = 1255.2 PINF = 160.4 R/FT = 2.003

MACH= 2.000 ALPHA= -.39 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0192	.0164	.0215	0158	.0009	.0068	0.00
.05	.0206	.0187	.0201	0193	.0025	.0064	.05
.10	.0199	.0169	.0212	0184	.0020	0010	.10
•15	.0193	.0188	.0197	0160	0004	.0020	•15
.20	.0196	.0229	.0238	0154	.0015	•0054	.20
.25	.0185	.0205	.0248	0145	.0024	.0081	.25
.30	.0150	.0176	.0212	0154	.0015	.0096	.30
.35	.0148	.0177	.0219	0104	.0022	.0087	•35
.40	.0114	.0178	.0206	0046	.0015	.0080	•40
.45	.0058	.0157	.0186	.0029	.0020	.0006	•45
• 50	0047	.0123	.0095	.0018	0153	0017	• 50
• 55	0154	0022	0113	0161	0124	0051	• 55
• 60	0151	0125	0139	0078	0358	0455	•60
•65	0142	0135	0114	0093	0381	0376	• 65
.70	.0351	.0222	.0024	.0006	0112	0135	.70
.75	.0383	.0335	.0337	.0392	.0288	.0242	•75
.80		.0487	.0451	.0495	.0428	.0380	.80
.85		•5237	.0563	•0547	.0511	.0462	.85
•90			•0589	.0625	.0603	.0540	•90

TEST 1514 BATCH 2 RUN 19 POINT 151

Q = 448.96 HO = 1254.6 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 3.62 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0093	0125	0069	0446	0268	0252	0.00
.05	0081	0105	0082	0482	0246	0256	.05
.10	0077	0123	0074	0484	0244	0319	.10
•15	0102	0110	0081	0469	0247	0272	.15
.20	0061	0081	0053	0462	0224	0228	.20
.25	0144	0098	0033	0439	0207	0194	•25
.30	0320	0122	0059	0407	0245	0190	•30
.35	0700	0225	0128	0379	<b></b> 03 91	0366	•35
•40	0803	0601	0519	0630	0910	0877	•40
•45	0729	0893	0915	1041	0973	<b></b> 0939	• 45
• 50	0657	0765	0753	0819	0794	0870	• 50
• 55	0632	0657	0626	0683	0832	0930	• 55
• 60	<b>~.</b> 05 <b>9</b> 5	0618	0586	0597	0892	0874	•60
•65	0602	0611	0564	0618	0874	0843	• 65
.70	0076	0260	0472	0527	0636	0630	•70
•75	0049	0068	0090	0066	0153	0183	•75
.80		.0078	.0061	.0083	.0035	0009	.80
.85		.5115	.0196	.0172	.0148	.0097	•85
•90			•0253	.0274	.0249	.0211	•90

TEST 1514 BATCH 2 RUN 19 POINT 152

Q = 449.00 HO = 1254.7 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 7.62 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

EΤA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0276	0311	0306	0691	0484	0490	0.00
• 05	0269	0287	0321	0740	0478	0501	•05
.10	0315	0292	0311	0748	0521	0578	.10
•15	0512	0307	0333	0759	0530	0502	.15
.20	0477	0487	0501	0708	0506	0476	.20
• 25	0779	0448	0449	0668	<b></b> 0586	0564	.25
.30	1154	0665	0630	0846	0926	0918	•30
.35	1288	1096	1048	1252	1485	1475	•35
.40	1228	1363	1440	1572	1584	1644	•40
• 45	1132	1214	1274	1292	<b></b> 1275	1390	• 45
• 50	1115	<b></b> 1095	1091	1175	1260	<b></b> 1363	• 50
• 55	1036	1041	1040	1134	1262	1351	• 55
• 60	1023	0980	0979	1029	1286	1245	•60
• 65	0995	0985	0965	1029	1263	<b></b> 1209	• 65
.70	0278	0834	0896	0938	1030	1023	•70
•75	1031	0619	0519	0439	0486	<b></b> 0557	.75
.80		0374	0535	0414	0456	0459	.80
.85		.4988	0844	0709	0689	<b></b> 0531	.85
• 90			1248	1108	0938	0722	•90

TEST 1514 BATCH 2 RUN 19 POINT 153

Q = 449.11 HO = 1255.0 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 11.61 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0491	0513	0484	0829	0726	0729	0.00
• 05	0496	0479	0487	0874	0765	0799	.05
.10	0853	0498	0522	0959	0922	0954	.10
•15	1283	0726	0825	1233	0882	0815	.15
.20	1037	1294	1381	1091	0826	0802	•20
.25	1284	1237	1268	0941	1050	1076	.25
.30	1639	1142	1254	1263	1545	1562	.30
•35	2094	1636	1566	1811	2080	2095	.35
.40	1730	1950	1664	2124	1969	1929	•40
.45	<b></b> 1960	1836	1574	1772	1678	1699	.45
• 50	1626	1708	1559	1639	1640	1686	• 50
• 55	1793	1622	1573	1604	1650	1704	• 55
• 60	1690	1504	1500	1486	1575	<b></b> 1534	•60
• 65	1630	1403	1388	1440	1624	1517	• 65
.70	2116	1258	1466	1525	1657	<b></b> 1572	.70
•75	1851	1051	1729	1756	1850	<b></b> 1745	.75
.80		2379	2155	2015	2036	1949	.80
.85		.4805	2607	2250	2205	<b></b> 2156	.85
• 90			2566	2374	2330	2325	•90

TEST 1514 BATCH 2 RUN 19 POINT 154

Q = 448.89 HO = 1254.4 PINF = 160.3 R/FT = 2.002

MACH= 2.000 ALPHA= 15.61 BETA = -.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0693	0734	0708	1073	1137	1091	0.00
.05	1131	0776	0811	1180	1291	1291	.05
.10	2030	1076	1148	1561	<b></b> 1652	1497	.10
•15	2169	1859	1874	2179	1597	1557	•15
.20	2196	2263	2177	2138	1475	1253	.20
•25	2112	2278	2195	2182	1249	1460	.25
.30	2054	2273	2193	1725	1674	1912	.30
•35	2266	2000	1574	1759	2181	2346	•35
.40	2373	2127	1852	2191	2582	2671	•40
.45	2352	2326	2106	2529	2607	2436	•45
• 50	2306	2223	2140	2355	2383	2316	• 50
• 55	2233	2092	2054	2205	2334	<b></b> 2328	•55
• 60	2107	1972	1999	2155	2345	<b></b> 2360	• 60
• 65	2038	1832	1969	2096	2131	2044	• 65
.70	2388	1478	2251	2263	2320	2272	•70
.75	2151	2438	2481	2269	2290	<b></b> 2254	•75
.80		2680	2669	2348	2315	2330	.80
.85		.4629	2678	2339	2302	<b></b> 2358	.85
• 90			2619	2285	2286	2363	•90

TEST 1514 BATCH 2 RUN 19 POINT 155

Q = 449.00 HO = 1254.7 PINF = 160.4 R/FT = 2.002

MACH= 2.000 ALPHA= 19.62 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0881	0964	0972	1358	1471	1383	0.00
•05	1631	1150	1177	1582	<b></b> 1775	<b></b> 1772	.05
.10	2818	1805	1759	2218	2512	2241	.10
•15	-,2590	2639	2540	2739	2439	2260	.15
•20	2759	2790	2648	2756	2464	1920	.20
•25	2560	2798	2658	2768	2011	<b></b> 1796	.25
•30	2743	2800	2671	2694	2027	2032	.30
•35	2495	2785	2625	2412	2169	<b></b> 2340	.35
•40	2643	2585	2175	2313	2407	2634	•40
.45	2460	2488	2214	2448	2671	2870	• 45
• 50	2632	2473	2450	2575	2821	2817	• 50
• 55	2356	2340	2493	2521	2652	2666	• 55
•60	2504	2186	2400	2419	2512	2580	•60
•65	2279	2067	2350	<b></b> 2376	2431	2437	•65
.70	2565	2007	2579	2456	2388	2378	•70
.75	2323	2728	2612	2404	2398	2430	•75
.80		2820	2651	2427	2425	2450	.80
.85		.4442	2599	2401	2411	2440	.85
• 90			2560	2371	2400	2495	.90

TEST 1514 BATCH 2 RUN 20 POINT 158

Q = 420.30 HO = 1524.0 PINF = 104.2 R/FT = 2.006

MACH= 2.400 ALPHA= -.45 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0259	.0229	.0267	0098	.0014	.0022	0.00
.05	.0273	.0257	.0260	0120	.0034	.0029	.05
.10	.0271	.0247	.0269	0120	.0029	0013	.10
.15	.0261	.0264	.0273	0091	.0030	.0011	.15
.20	.0275	.0297	.0300	0084	.0034	.0024	.20
.25	.0243	.0274	.0309	0090	.0041	•0045	.25
.30	.0220	.0247	.0273	0061	.0027	.0047	.30
.35	.0211	.0245	.0270	0016	.0029	.0041	.35
.40	.0159	.0235	.0243	.0046	.0026	.0047	.40
•45	0004	.0201	.0207	.0120	.0011	0005	.45
•50	0021	.0133	.0112	.0045	0143	0070	• 50
•55	0020	.0038	0004	0092	0137	0140	• 55
•60	0034	0040	0063	0049	0240	0340	• 60
.65	0020	0054	0056	0077	0310	0333	• 65
.70	.0467	.0285	.0102	.0029	0030	0071	.70
•75	.0488	.0431	.0420	.0407	.0379	.0309	.75
.80		•0570	.0531	.0506	.0506	.0440	.80
.85		.5607	.0643	.0565	.0585	.0530	.85
•90			.0697	.0648	.0675	.0612	•90

TEST 1514 BATCH 2 RUN 20 POINT 159

Q = 420.22 HO = 1523.7 PINF = 104.2 R/FT = 2.005

MACH= 2.400 ALPHA= 3.55 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0046	0080	0040	0345	0249	0256	0.00
.05	0032	0055	0045	0368	0235	0251	• 05
•10	0034	0056	0036	0371	0245	0286	.10
.15	0057	0039	0041	0348	0247	0259	.15
•20	0034	0014	0029	0344	0235	0235	.20
•25	0118	0034	0014	0340	0222	0204	.25
•30	0321	0067	0051	0281	0241	0209	.30
•35	0581	0218	0186	0299	0394	0418	•35
.40	0609	0516	0522	0563	0799	0838	•40
.45	0556	0665	0743	0847	0816	0787	• 45
• 50	0527	0589	0631	0665	0672	0728	• 50
•55	0501	0535	0546	<b></b> 0566	0666	0786	• 55
•60	0478	0512	0510	0495	0748	0772	•60
•65	0477	0506	0508	0504	0765	0760	.65
.70	.0056	0166	0386	0412	0439	0507	.70
•75	.0106	.0044	.0031	.0034	.0009	0041	.75
.80		.0215	.0210	.0174	.0190	.0134	.80
•85		• 5476	.0323	.0277	.0313	.0255	.85
•90			.0403	.0383	.0418	.0361	•90

TEST 1514 BATCH 2 RUN 20 POINT 160

Q = 419.75 HO = 1522.0 PINF = 104.1 R/FT = 2.003

MACH= 2.400 ALPHA= 7.54 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0257	0286	0261	0550	0468	0470	0.00
• 05	0248	0262	0273	0576	<b></b> 04 57	0485	.05
.10	0308	0262	0274	0599	0493	0534	.10
.15	0464	0282	0302	0607	0501	0478	.15
.20	0498	0497	0511	0593	0484	0469	.20
.25	0707	0446	0438	0562	<b></b> 0574	0574	.25
.30	1022	0625	0615	0724	0879	0901	.30
.35	1084	0985	0988	1093	1304	1329	•35
•40	1050	1138	1209	1336	1265	1297	•40
.45	0998	1053	1080	1108	1099	1173	• 45
• 50	0986	0993	0997	1013	1096	1175	• 50
.55	0916	0943	0956	0973	1075	1164	• 55
• 60	0886	0898	0914	0883	1143	1132	•60
.65	0867	0907	0911	0888	1139	1103	• 65
.70	0325	0671	0773	0794	0817	0834	.70
•75	0423	0376	0260	0287	0294	<b></b> 0346	•75
.80		0147	0107	0140	0138	0190	.80
.85	*	.5351	0391	0181	0119	0139	.85
• 90°			0670	0523	0271	0178	<b>.9</b> 0

TEST 1514 BATCH 2 RUN 20 POINT 161

Q = 419.44 HO = 1520.9 PINF = 104.0 R/FT = 2.002

MACH= 2.400 ALPHA= 11.56 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0412	0419	0415	0708	0710	0673	0.00
.05	0437	0405	0425	0744	0718	0733	.05
.10	0752	0432	0444	0816	0840	0906	.10
•15	1197	0631	0635	1075	0840	0803	.15
.20	1120	1190	1163	1072	0800	0821	.20
.25	1119	1141	1118	0953	1003	1086	.25
.30	1375	1104	1030	1101	1389	<b></b> 1457	.30
•35	1449	1367	1360	1486	1689	1712	.35
.40	1427	1490	1485	1570	<del>-</del> .1516	1532	.40
•45	1376	1441	1400	1425	1441	1477	.45
•50	1363	1398	1348	1364	1440	1501	.50
•55	1280	1360	1312	1323	1377	1428	•55
.60	1254	1299	1241	1215	1398	1371	.60
.65	1233	1289	1225	1221	1412	1354	.65
.70	1295	1039	1159	1137	1123	1095	.70
.75	1321	0981	1162	0854	0815	0794	.75
.80		1284	1450	0979	0898	0856	.80
.85		.5129	1631	1366	1203	1137	.85
.90		1.2351	1615	1875	1741	1617	.90
						0	

TEST 1514 BATCH 2 RUN 20 POINT 162

Q = 419.42 HO = 1520.8 PINF = 104.0 R/FT = 2.001

MACH= 2.400 ALPHA= 15.59 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0606	0599	0636	0871	0904	0886	0.00
.05	0935	0637	0702	0971	1056	1098	• 05
.10	1683	0906	0966	1306	1524	1455	.10
.15	1684	1537	1523	1721	1505	1447	.15
.20	1712	1777	1691	1749	<b></b> 1508	1237	•20
.25	1674	1783	1699	1757	1274	1300	.25
.30	1688	1783	1686	1744	1413	1579	.30
.35	1578	1717	1491	1504	1673	1828	•35
.40	1671	1644	1486	<b></b> 1570	1811	1840	•40
.45	1548	1643	1600	1596	1695	1725	• 45
• 50	1613	1601	1560	1525	1632	1676	• 50
•55	1522	1536	1483	1484	1607	<b></b> 1639	• 55
•60	1512	1473	1452	1451	1576	<b></b> 1595	•60
•65	<b></b> 1457	1477	1439	1426	1564	<b></b> 1588	• 65
.70	1608	1250	1517	1434	1465	1454	•70
•75	1540	1679	1692	1478	1464	<b></b> 1425	•75
.80		1821	1876	1752	1648	1580	.80
.85		.4971	1943	1996	1925	<b></b> 1846	.85
•90			1850	2060	2074	2048	•90

TEST 1514 BATCH 2 RUN 20 POINT 163

Q = 419.86 Ho = 1522.4 PINF = 104.1 R/FT = 2.004

MACH= 2.400 ALPHA= 19.57 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0849	0862	0909	1121	1186	1149	0.00
.05	1305	1065	1072	1311	1430	1441	.05
.10	1945	1556	1472	1745	1843	1682	.10
•15	1837	1954	1878	1879	1824	1693	.15
.20	1934	1969	1871	1951	1826	1682	.20
.25	1831	1972	1888	<b></b> 1962	<b></b> 1770	1610	.25
.30	1934	1973	1891	1975	<b></b> 1723	1668	.30
.35	1821	1970	1886	1945	1735	1781	.35
.40	1904	1932	1834	1850	1775	1840	.40
.45	1767	1861	1774	1759	1784	1818	•45
•50	1826	1782	1760	1698	1775	1794	•50
•55	1681	1703	1749	1656	1746	<b></b> 1773	•55
•60	1732	1655	1757	1630	1722	1747	.60
.65	1617	1779	1740	1625	1706	<b></b> 1731	.65
.70	1800	1870	1864	1707	<b></b> 1730	1724	.70
.75	1681	1952	1972	1840	1840	1802	.75
.80		2015	2019	1966	1963	1957	.80
.85		.4796	2019	1993	2025	2038	.85
.90		1.2178	1924	1992	2040	2054	.90

TEST 1514 BATCH 2 RUN 21 POINT 164

Q = 379.33 HO = 1875.8 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= -.16 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0197	.0187	.0206	0056	.0018	.0050	0.00
.05	.0207	.0208	.0194	0077	.0029	.0051	•05
.10	.0190	.0202	.0195	0082	.0029	.0032	.10
•15	.0189	.0205	.0189	0047	.0037	.0047	•15
.20	.0187	.0226	.0205	0053	.0035	•0054	.20
.25	.0174	.0215	.0217	0063	.0042	.0064	•25
.30	.0138	.0200	.0193	0010	.0034	•0060	.30
.35	.0113	.0198	.0195	.0031	.0038	.0055	•35
.40	.0063	.0201	.0177	.0096	.0045	.0070	•40
.45	0033	.0144	.0137	.0140	.0020	.0009	•45
• 50	0065	.0047	.0065	.0057	0131	0067	• 50
• 55	0026	0059	0057	0071	0140	0162	•55
.60	0061	0078	0093	0040	0215	0266	• 60
• 65	0031	0083	0080	0056	0248	0277	• 65
.70	.0405	.0201	.0082	.0053	.0019	0012	•70
•75	.0452	.0384	.0395	.0437	.0407	.0370	•75
.80		.0521	.0509	.0552	.0529	.0521	.80
•85		.6005	.0607	.0631	.0608	.0633	•85
<b>.9</b> 0			.0673	.0727	.0689	.0726	•90

TEST 1514 BATCH 2 RUN 21 POINT 165

Q = 379.47 HO = 1876.5 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 3.84 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0060	0084	0053	0287	0215	0186	0.00
.05	0052	0069	0058	0307	0205	0189	•05
.10	0057	0074	0051	0314	0212	0207	.10
.15	0077	0065	0044	0274	0203	0183	.15
.20	0081	0053	0042	0289	0201	0175	.20
.25	0159	0067	0035	0291	0186	0157	.25
.30	0396	0098	0068	0224	0194	0177	.30
•35	0524	0258	0207	0254	0345	0383	.35
-40	0498	0514	0508	0515	0686	0715	•40
•45	0489	0575	0606	0697	0686	0652	.45
•50	0462	0521	0519	0554	0596	0608	.50
•55	0449	0491	0484	0486	0583	0650	.55
.60	0406	0469	0474	0445	0642	0661	.60
•65	0402	0460	0464	0452	0651	0644	.65
.70	.0118	0171	0281	0341	0354	0337	.70
.75	.0156	•0094	.0100	.0110	.0106	.0119	.75
.80		.0212	.0234	.0260	.0264	.0292	.80
.85		.5870	.0343	.0362	.0370	.0400	.85
•90		1.4190	.0436	.0488	.0470	.0496	<b>.9</b> 0

TEST 1514 BATCH 2 RUN 21 POINT 166

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 7.86 BETA = -.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0231	0270	0224	0465	0405	0376	0.00
•05	0227	0258	0238	0494	0403	0392	.05
.10	0281	0263	0233	0512	0418	0434	.10
.15	0433	0291	0257	0523	0414	0407	.15
.20	0464	0485	0457	0532	0397	0408	.20
.25	0648	0459	0402	0508	0493	0524	.25
.30	0864	0579	0555	0651	0779	0825	.30
•35	0871	0853	0862	0955	1085	1115	.35
.40	0864	0938	0971	1044	1018	1023	.40
.45	0831	0901	0908	0933	0934	0970	.45
• 50	0819	0864	0867	0874	0935	0983	• 50
•55	0766	0829	0828	0826	0899	0962	• 55
•60	0712	0799	0804	0777	0950	0940	• 60
•65	0684	0797	0794	0782	0958	0931	•65
.70	0117	0428	0541	0604	0543	0501	.70
•75	0124	0167	0089	0094	0100	0071	.75
.80		0018	.0070	.0083	.0049	.0082	.80
.85		•5738	0004	.0177	.0152	.0183	.85
•90			0117	0142	.0028	.0200	•90

TEST 1514 BATCH 2 RUN 21 POINT 167

Q = 379.41 HO = 1876.2 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.87 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0322	0360	0343	0572	0592	0538	0.00
• 05	0348	0347	0359	0600	0607	0595	•05
.10	0719	0368	0372	0653	0709	0775	.10
•15	0993	0541	0516	0833	0712	0694	.15
.20	0984	1015	1001	0957	0681	0719	.20
•25	0930	1001	0964	0854	<b></b> 0859	0939	•25
•30	1053	0960	0912	0903	1147	1193	•30
•35	1089	1073	1091	1160	1275	<b></b> 1275	•35
•40	1075	1138	1162	1199	1202	1201	•40
• 45	1055	1120	1125	1144	1177	1188	• 45
• 50	1030	1096	1091	1108	1168	1181	• 50
• 55	0993	1052	1052	1057	1117	<b></b> 1122	• 55
• 60	0937	1030	1030	1010	1153	<b></b> 1145	• 60
• 65	0904	1048	1008	1016	1156	1139	• 65
•70	0630	0767	0769	0758	0695	<b></b> 0650	.70
•75	0649	0566	0642	0410	0373	0326	•75
. 80		0673	0808	0526	0388	0332	•80
.85		• 5585	0895	0795	0553	0497	.85
• 90			0843	1062	1007	0948	•90

TEST 1514 BATCH 2 RUN 21 POINT 168

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 15.93 BETA = -.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0462	0489	0453	0716	0736	0712	0.00
.05	0742	0543	0526	0794	0857	0879	•05
.10	1250	0806	0777	1040	1210	1121	.10
.15	1215	1222	1199	1253	1214	1118	•15
.20	1239	1281	1293	1316	1215	1083	.20
.25	1202	1284	1294	1323	1145	1074	.25
.30	1242	1279	1288	1329	1181	1239	.30
.35	1193	1282	1274	1231	1291	1362	•35
•40	1227	1241	1211	1199	1328	1351	•40
.45	1173	1223	1198	1203	1283	1292	• 45
• 50	1182	1209	1189	1181	1254	1262	• 50
• 55	1103	1201	<b></b> 1177	1164	1239	1257	• 55
• 60	1099	1201	1184	1154	1233	1256	• 60
• 65	1022	1193	1158	1152	<b></b> 1236	<b></b> 1256	• 65
.70	0969	0980	1054	0996	0933	0918	•70
• 75	0963	1000	1027	0835	0831	0815	•75
.80		1121	1161	1009	0958	0916	.80
•85		.5430	1243	1256	1175	<b></b> 1089	•85
• 90			1161	1356	1368	1336	•90

TEST 1514 BATCH 2 RUN 21 POINT 169

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.87 BETA = -.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0705	0679	0611	0868	0910	0874	0.00
.05	0980	0856	0815	1035	1114	1116	.05
.10	1362	<b></b> 1195	1166	1309	1361	1275	.10
.15	1307	1394	1391	1315	1354	1280	.15
.20	1359	1388	1397	1411	1357	1285	.20
.25	1295	1397	1398	1420	1351	1291	.25
.30	1363	<b></b> 1395	1394	1428	1351	1327	.30
.35	1302	1404	1399	1412	1361	1370	.35
.40	1301	1393	1386	1358	1357	1373	•40
. 45	1257	1355	1354	1306	1341	1366	.45
.50	1322	1320	1311	1276	1326	1348	.50
•55	1216	1319	1296	1263	1312	1345	•55
.60	1222	1318	1287	1250	1310	1340	.60
•65	1122	1315	1283	1249	1310	1333	•65
.70	1138	1233	1259	1186	<b></b> 1153	1127	.70
.75	1123	1243	1276	1198	1177	1126	.75
.80		1309	1360	1337	1331	1281	.80
.85		.5268	1397	1425	1418	1396	.85
.90		1.3846	1287	1456	1472	1443	.90

TEST 1514 BATCH 2 RUN 22 POINT 170

Q = 379.35 HO = 1875.9 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.83 BETA = -8.02

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0825	0867	0842	0965	0862	0839	0.00
.05	0821	0906	0894	0937	0830	0808	.05
.10	1009	0790	0809	0897	0855	0848	.10
.15	0866	0543	0547	0816	0760	0776	.15
.20	1247	1303	1267	0838	0797	0803	.20
.25	0757	1283	1298	0864	0700	0626	.25
.30	1257	1332	1348	0754	0581	0546	•30
.35	0629	1349	<b></b> 1356	0670	0566	0546	•35
.40	1243	1330	1340	0630	0598	0579	•40
•45	0824	1321	1321	0659	0661	0645	•45
•50	1252	1309	1321	0764	0790	0775	• 50
•55	1102	1306	1314	0922	<b></b> 0968	0966	• 55
•60	1231	1319	1322	1116	1167	1170	.60
•65	1068	1334	1327	1233	1261	1276	• 65
.70	•0765	.0504	•0135	1197	1200	1201	•70
•75	1033	.0805	.0815	1199	1219	1208	•75
.80		.1080	.1063	1115	1126	1129	.80
•85		•5140	.1247	1118	1106	1101	.85
<b>.9</b> 0			.1388	1111	1092	1102	•90

TEST 1514 BATCH 2 RUN 22 POINT 171

Q = 379.25 HO = 1875.4 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.83 BETA = -4.00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ΕTA
0.00	0544	0588	0539	0739	0712	0666	0.00
•05	0591	0498	0468	0769	0698	0658	•05
.10	<b></b> 1131	0365	0349	0796	0669	0618	.10
.15	0694	0886	0778	0768	0621	0587	•15
.20	1250	1318	1334	0747	0590	0540	.20
.25	0684	1301	1291	0709	<b></b> 0552	0533	.25
.30	1254	1257	1267	0703	0635	0654	.30
•35	0931	<b></b> 1315	1331	0802	0794	0838	.35
•40	1242	1297	1323	0953	0999	1047	•40
•45	1068	1283	1296	1061	1109	1149	.45
•50	1228	1271	1279	1017	1040	1057	• 50
• 55	1049	1256	1288	0944	1001	1009	• 55
•60	<b></b> 1215	1259	1287	0917	0996	0994	• 60
•65	0990	1283	1288	0899	0984	0972	• 65
•70	. 02 02	0226	0305	0965	1048	1029	.70
•75	<b></b> 0990	.0177	.0290	1033	1122	1098	.75
.80		.0370	.0468	<b></b> 1152	1192	1168	.80
•85		•5041	.0334	1237	<b></b> 1258	1233	.85
•90			.0274	1226	1256	1262	•90

TEST 1514 BATCH 2 RUN 22 POINT 172

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.83 BETA = -2.01

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0376	0410	0388	0611	0605	0571	0.00
.05	0441	0358	0350	0648	0640	0590	•05
.10	0966	0323	0291	0705	0667	0640	.10
.15	0840	0620	0545	0810	0607	0606	.15
.20	1191	1242	1246	0780	0564	0576	.20
.25	0834	1237	1222	0711	0632	0690	.25
.30	1168	1179	1155	0782	0858	0911	.30
.35	1012	1213	1266	0996	1122	1158	.35
•40	1173	1243	1283	1128	1174	1184	.40
• 45	1009	1213	1242	1052	1073	1092	•45
• 50	1152	1180	1204	0985	1047	1067	• 50
• 55	0980	1144	1163	0957	1045	1059	• 55
• 60	1145	1141	1183	0910	1036	1031	•60
• 65	0930	1173	1170	0903	<b></b> 1043	1026	• 65
.70	0206	0483	0402	0889	0907	0880	•70
•75	0975	0183	.0051	0770	0753	0728	.75
.80		0110	0194	0928	0864	0838	.80
.85		.4927	0413	1237	1149	1070	.85
•90			0429	1358	1384	1356	•90

TEST 1514 BATCH 2 RUN 22 POINT 174

Q = 379.41 HO = 1876.2 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.83 BETA = 2.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0353	0398	0372	0603	0603	0568	0.00
.05	0309	0399	0402	0611	0588	0622	•05
.10	0646	0446	0457	0638	0818	0956	.10
.15	1152	0585	0603	0901	0970	0906	•15
•20	0806	0854	0847	1139	0853	0864	.20
.25	1061	0817	0758	1133	1081	1166	.25
.30	0963	0814	0758	1036	1332	1361	.30
•35	1142	0973	0957	1263	1344	1337	•35
•40	1051	1098	1101	1297	1303	1302	•40
.45	1115	1092	1068	1239	1281	1300	•45
• 50	1017	1053	1014	1195	1232	1235	•50
• 55	1091	1021	0991	1145	1230	1233	• 55
• 60	0981	0981	0960	1132	1248	1258	• 60
• 65	1050	0958	0950	<b></b> 1133	1248	1249	• 65
•70	0861	0860	0927	0509	0396	0392	•70
•75	0413	0891	0960	.0083	.0076	.0078	•75
.80		1030	1122	0045	.0177	.0186	.80
.85		.4791	1198	0453	0022	.0116	.85
• 90			1081	0632	0611	0533	•90

TEST 1514 BATCH 2 RUN 22 POINT 175

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 11.83 BETA = 3.99

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0457	0502	0494	0695	0682	0636	0.00
.05	0387	0520	0540	0686	0690	0683	.05
.10	<b></b> 0599	0560	0576	0642	0854	1077	.10
•15	1247	0640	0647	0934	1167	<b></b> 1137	.15
.20	0654	0720	0700	1260	1066	1092	.20
.25	1169	0677	0626	<b></b> 1172	1258	1342	.25
.30	0815	0694	0624	1237	1428	1439	.30
.35	1198	0804	0700	1378	1404	1413	•35
.40	<b></b> 1097	0953	0781	<b></b> 1355	1364	1375	•40
•45	<b></b> 1188	1084	0796	1315	1335	1351	• 45
• 50	1074	1070	0791	<b></b> 1276	1305	1314	• 50
•55	1164	1040	0824	1256	1321	<b></b> 1315	• 55
•60	0995	1007	0921	1257	1325	1331	• 60
• 65	1144	0932	<b></b> 0998	<b></b> 1252	1323	1323	• 65
.70	0995	0821	1018	0363	0189	0200	.70
•75	•0092	0760	<b></b> 1173	.0319	.0338	.0331	.75
.80		1198	1294	.0533	.0519	.0526	.80
•85		•4661	<b></b> 1318	.0531	.0641	.0665	.85
•90			1212	.0205	.0399	.0587	•90

TEST 1514 BATCH 2 RUN 22 POINT 176

Q = 379.31 HO = 1875.7 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 11.82 BETA = 8.02

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0745	0824	0832	0929	0857	0820	0.00
.05	0705	0815	0822	1026	0908	0926	•05
.10	0766	0809	0789	0885	1053	1215	.10
.15	1244	0799	0770	0856	1316	1312	.15
•20	0735	0809	0784	1296	1327	1373	.20
•25	1245	<b></b> 0736	0691	1296	1401	1426	.25
•30	0632	0704	0643	1390	1421	1432	•30
.35	1238	0621	0602	1398	1407	1421	• 35
•40	0710	0647	0631	1381	1399	1415	.40
•45	1243	0732	0706	<b></b> 1357	1405	1420	• 45
• 50	0961	0836	0819	1344	1400	1416	.50
• 55	1244	0978	0975	1338	1403	1428	• 55
• 60	1099	1109	1125	1337	1407	1429	• 60
•65	1234	1126	1186	1340	1410	1423	• 65
• 70	1054	1090	1202	•0050	.0209	.0270	.70
•75	.0818	1070	1196	•0856	.0880	.0922	.75
.80		1054	1180	.1095	.1126	.1159	.80
.85		•4537	1155	.1277	.1299	.1325	.85
• 90			<b></b> 1113	.1463	.1493	.1548	•90

TEST 1514 BATCH 2 RUN 23 POINT 177

Q = 379.39 HO = 1876.1 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.85 BETA = -7.98

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1267	1302	1297	1320	1345	1332	0.00
.05	1322	1372	1391	1401	1409	1395	•05
.10	1314	1299	1278	1410	1415	1410	.10
.15	1358	1249	1131	1328	1400	1420	.15
.20	1403	1444	1448	1386	1422	1440	•20
•25	1357	1449	1458	1406	1448	1459	.25
•30	1407	1451	1462	<b></b> 1395	1337	1344	.30
• 35	1325	1453	1469	1267	1072	<b></b> 1102	.35
•40	1412	<b></b> 1450	1468	1072	1004	1037	•40
• 45	<b></b> 1045	1470	1461	1034	1052	1054	.45
• 50	1417	1481	1468	1094	1106	1086	• 50
• 55	1097	1472	<b></b> 1465	<b></b> 1147	<b></b> 1157	1129	• 55
• 60	1344	1486	1450	1195	1198	1180	•60
• 65	1141	<b></b> 1512	<b></b> 1492	<b></b> 1232	1225	1225	•65
.70	0059	0210	0287	1289	1283	1273	•70
•75	1081	.0040	• 01 54	1272	1280	1266	•75
.80		•0060	0001	1250	1264	1256	.80
• 85		.4405	0110	1236	1226	1226	•85
•90			0426	1233	1230	1234	•90

TEST 1514 BATCH 2 RUN 23 POINT 178

Q = 379.25 HO = 1875.4 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.86 BETA = -4.01

ETA	X/L=.1	v/r_ 2	v /1 2	37 /7 (	37./7 0	** /* 0	
	•	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1308	<b></b> 1333	1233	1231	1297	1289	0.00
•05	1278	1376	1296	1219	1272	1239	.05
.10	1410	1407	1360	1273	1268	1227	.10
•15	1199	1430	1379	1232	1241	<b></b> 1215	.15
.20	1435	1487	1497	1313	1246	1196	.20
•25	1186	1488	1498	1324	1134	<b></b> 1087	.25
•30	1433	1486	1494	1235	1087	1067	.30
•35	1197	1492	1507	1190	1123	1122	.35
•40	1435	1483	1504	1195	1176	1169	•40
•45	1236	1495	1498	1228	1220	1211	• 45
• 50	1442	1500	1500	1239	1241	1239	• 50
• 55	1228	1496	1502	1234	1246	1259	.55
• 60	1368	1498	1484	1219	1246	1254	•60
• 65	1168	1522	1513	1219	1249	<b></b> 1252	• 65
•70	0693	0693	0837	1298	1311	1297	•70
•75	1142	0684	0768	1272	1296	<b></b> 1275	.75
. 80		0807	0903	1290	1296	1277	.80
•85		.4299	1028	1288	1288	1286	.85
• 90			0988	1278	1289	1293	.90

TEST 1514 BATCH 2 RUN 23 POINT 179

Q = 379.41 HO = 1876.2 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.86 BETA = -1.99

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1178	0969	0779	0925	0999	1006	0.00
•05	0889	1391	1344	1014	1062	1095	.05
.10	1434	1473	1471	1253	1325	1249	.10
•15	1278	1476	1472	1295	1303	1253	.15
.20	1437	1480	1491	1394	1296	1170	•20
•25	1254	1474	1491	1407	1196	1081	•25
.30	1414	1460	1473	1352	1170	1099	.30
.35	1217	1465	1467	1269	1184	1173	•35
.40	1433	1467	1470	1242	1219	1253	.40
. 45	1238	1480	1470	1237	1248	1285	•45
• 50	1432	1481	1470	1228	1256	1269	• 50
• 55	1219	1473	1469	1213	1246	1260	• 55
.60	1366	1473	1472	1200	1242	1252	• 60
• 65	1167	1481	1462	<b></b> 1195	1235	1237	• 65
.70	1020	1022	1100	1274	1282	1258	.70
•75	1189	0988	1068	1330	<b></b> 1356	1326	.75
.80	•	1115	1190	1383	1402	<b></b> 1395	.80
.85		.4160	1275	1382	1402	1416	.85
.90			1229	<b></b> 1375	1405	1416	.90

TEST 1514 BATCH 2 RUN 23 POINT 180

Q = 379.41 HO = 1876.2 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.86 BETA = 2.03

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0828	0890	0905	0975	1012	1039	0.00
.05	1277	0769	0781	1329	1399	1420	.05
.10	1385	0970	0970	1455	1484	1451	.10
.15	1389	1319	1302	1370	1489	1480	.15
•20	1369	1398	1369	1463	1488	1476	.20
.25	1380	1398	1369	1465	1451	<b></b> 1453	.25
.30	1361	1397	1357	1440	1448	1448	.30
.35	1318	1383	1305	1431	1454	1459	.35
.40	1343	1353	1246	1437	1462	1471	.40
•45	1329	1336	1286	1433	1459	1473	.45
•50	1327	1304	1333	1432	1458	1469	•50
.55	1315	1272	1329	1429	1460	1482	•55
.60	1288	1234	1319	1424	1460	1480	.60
.65	1237	1267	1298	1430	1461	1465	•65
•70	1182	1297	1333	1018	0945	0935	.70
.75	1097	1353	1369	0882	0882	0864	.75
.80		1385	1399	1081	0999	0953	.80
.85		.4040	1405	1309	1235	1157	.85
.90		1.2989	1300	1402	1411	1382	<b>.9</b> 0
.,,							

TEST 1514 BATCH 2 RUN 23 POINT 181

Q = 379.23 HO = 1875.3 PINF = 69.1 R/FT = 2.002

MACH= 2.800 ALPHA= 19.87 BETA = 4.00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1240	1287	1273	1237	1311	1280	0.00
.05	1387	1268	1267	1341	1438	1414	.05
.10	1198	1085	1077	1382	1502	1439	.10
.15	1416	1168	1181	1361	1516	1438	.15
.20	1199	1227	1232	1519	1503	1434	.20
.25	1403	1229	1230	1523	1503	1448	.25
.30	1168	1178	1162	1525	1500	1449	•30
•35	1399	1157	1114	1523	1499	<b></b> 1455	.35
•40	1304	1200	1156	1520	1497	1454	.40
•45	1417	1279	1214	1521	1497	1452	.45
• 50	1338	1281	1236	1519	1493	1443	•50
• 55	1400	1254	1253	1519	1498	1446	.55
• 60	1275	1229	1286	1519	1494	1440	•60
• 65	1325	1204	1284	1530	1497	1428	.65
•70	1211	1020	1346	0806	0698	0673	.70
•75	0877	1251	1351	0563	0548	0532	.75
.80		<b></b> 1395	<b></b> 1357	0696	0646	0622	.80
•85		.3930	1348	<b></b> 0976	0830	0772	.85
• 90			1272	1244	1177	1094	•90

TEST 1514 BATCH 2 RUN 23 POINT 182

Q = 379.43 HO = 1876.3 PINF = 69.1 R/FT = 2.003

MACH= 2.800 ALPHA= 19.87 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	1291	1332	1327	1330	1373	1357	0.00
.05	1350	1362	1382	1422	1465	1442	.05
.10	1340	1355	1368	1355	1430	1450	.10
.15	1430	1379	1391	1211	1531	1495	.15
.20	1343	1401	1415	1507	1539	1501	.20
•25	1431	1368	1377	1520	1539	1500	.25
.30	1343	1368	1379	1535	1540	1500	.30
.35	1430	1352	1347	1528	1532	1505	.35
•40	1098	1270	1146	1525	1532	1513	•40
•45	1449	1100	1011	1519	1527	1513	.45
•50	1138	1057	1060	1518	1523	1507	.50
•55	1445	1117	1095	1518	1522	<b></b> 1512	•55
•60	1213	1163	1158	1522	1526	1503	.60
•65	1340	1195	1229	1543	1530	1486	.65
.70	1196	1206	1336	0213	0051	0062	.70
•75	0185	1227	1330	.0178	.0222	.0232	.75
.80		1249	1315	.0082	.0139	.0153	.80
•85		.3829	1268	0087	0105	.0026	.85
.90		1.2803	1218	0480	0399	0253	.90

TEST 1514 BATCH 2 RUN 26 POINT 195

Q = 189.56 HO = 937.4 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= -.18 BETA = .00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0230	.0206	.0229	0015	.0061	.0072	0.00
.05	.0231	.0225	.0221	0044	.0064	.0070	• 05
.10	.0216	.0205	.0227	0044	.0053	.0061	.10
.15	.0225	.0212	.0229	.0086	.0065	.0079	.15
.20	.0211	.0228	.0240	0028	.0058	.0077	.20
.25	.0169	.0234	.0243	0036	.0066	.0087	.25
.30	.0086	.0225	.0243	.0023	.0058	.0073	.30
.35	.0067	.0226	.0249	.0069	.0049	.0061	.35
.40	.0062	.0119	.0210	.0120	•0045	.0061	.40
.45	.0063	0024	•0051	.0146	.0031	.0039	.45
.50	.0052	0017	0002	.0127	0019	0003	• 50
• 55	.0057	0005	0038	•0040	0085	0104	• 55
.60	.0072	0000	0045	0035	0183	0245	•60
	.0074	0004	0029	0042	0227	0263	.65
.65	.0481	.0245	.0126	.0081	.0028	.0010	.70
.70			.0419	.0472	.0428	.0412	•75
.75	.0526	.0421		.0582	•0558	.0567	.80
.80		.0538	.0535				.85
•85		.7045	.0612	.0662	.0647	.0675	
.90			.0713	.0749	.0731	•0754	•90

TEST 1514 BATCH 2 RUN 26 POINT 196

Q = 189.81 HO = 938.6 PINF = 34.6 R/FT = 1.002

MACH= 2.800 ALPHA= 3.86 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	.0032	0010	.0021	0207	0149	0131	0.00
.05	.0007	0020	0010	0257	0164	0154	•05
.10	.0005	0025	0006	0252	0167	0158	.10
.15	0026	0027	0006	0116	0161	0146	•15
.20	0018	0031	0005	0239	0153	0140	.20
.25	0160	0048	0002	0236	0146	0123	.25
•30	0343	0087	0040	0177	0166	0158	.30
•35	0348	0264	0208	0240	0351	0387	•35
•40	0341	0411	0428	0460	0590	0608	•40
.45	0341	0419	0459	0555	0590	0571	•45
• 50	0324	0413	0444	0476	0530	0539	•50
• 55	0320	0395	0423	0415	<b></b> 0535	0604	• 55
•60	0209	0407	0433	0396	0597	0617	•60
•65	0192	0403	0395	0401	0606	0599	• 65
•70	.0254	0128	0239	0272	0312	0286	.70
.75	.0283	.0144	.0096	.0181	.0143	.0174	•75
.80	7.5	.0261	.0263	.0308	.0298	.0339	.80
.85		.6871	•0367	•0406	.0401	.0438	.85
.90			.0510	.0518	.0505	.0540	.90
-,-							

TEST 1514 BATCH 2 RUN 26 POINT 197

Q = 189.54 HO = 937.3 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 7.86 BETA = .00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0138	0197	0171	0390	0336	0317	0.00
.05	0156	0200	0191	0448	0359	0350	.05
.10	0203	0210	0187	0453	0368	0371	.10
.15	0357	0233	0212	0340	0365	0362	.15
•20	0422	0408	0397	0503	0345	0361	.20
•25	0522	0437	0387	0439	0442	0468	•25
•30	0690	0510	0491	0567	0707	0738	.30
•35	0693	0729	0750	0826	0953	0980	.35
.40	0681	0776	0833	0913	0940	0953	•40
• 45	0699	0768	0803	0863	0885	0901	•45
• 50	0654	0763	0785	0817	0874	0899	• 50
• 55	0640	0725	0745	0764	0857	0899	• 55
•60	0518	0718	0751	0729	0897	0894	•60
• 65	0489	0704	0705	0728	0897	0890	• 65
.70	0017	0480	0502	0543	0505	0461	.70
•75	.0001	0148	0094	0034	0044	0004	.75
.80		.0013	.0050	.0111	.0123	.0175	.80
•85		.6732	.0079	.0112	.0156	.0263	•85
•90			.0110	.0002	0048	.0023	•90

TEST 1514 BATCH 2 RUN 26 POINT 198

Q = 189.62 HO = 937.7 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.89 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0215	0282	0266	0479	0474	0455	0.00
•05	0264	0273	0293	0538	0518	0534	.05
.10	0529	0302	0307	0571	0619	0650	.10
.15	0817	0443	0432	0582	0657	0605	.15
.20	0799	0847	0825	0826	0598	0616	.20
•25	0802	0839	0805	0788	0771	0841	.25
.30	0866	0837	0783	0805	1031	1070	.30
•35	0860	0937	0940	1027	1159	1161	.35
•40	0859	0958	0998	1071	1119	1117	.40
•45	0867	0962	0978	1040	1087	1087	.45
•50	0848	0957	0964	1005	1067	1066	.50
•55	0829	0925	0936	0958	1038	1050	.55
•60	0701	0915	0943	0918	1053	1063	.60
•65	0667	0927	0890	0915	1054	1063	.65
.70	0330	0654	0683	0693	0587	0583	.70
•75	0333	0490	0523	0483	0453	0354	.75
.80		0557	0632	0636	0666	0525	.80
•85		.6575	0698	0751	0764	0720	.85
•90		2.3953	0496	0786	0811	0817	.90

TEST 1514 BATCH 2 RUN 26 POINT 199

Q = 189.77 HO = 938.4 PINF = 34.6 R/FT = 1.002

MACH= 2.800 ALPHA= 15.87 BETA = .00

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0321	0391	0354	0593	0616	0599	0.00
.05	0562	0435	0428	0701	0743	0773	• 05
.10	0955	0636	0609	0870	1017	0993	.10
•15	1030	0958	0940	0892	1045	0996	•15
.20	1010	1077	1076	1103	1041	0977	.20
.25	1002	<b></b> 1079	1069	1120	1052	1013	.25
.30	1028	1075	1062	1126	1114	1142	.30
.35	1014	1108	1104	1150	1182	1226	• 35
.40	1019	1104	1111	1116	1181	1202	.40
•45	1007	1110	1097	1098	1157	1170	•45
•50	0990	1054	1056	1086	1151	1149	• 50
•55	0943	1044	1037	1066	1141	1169	• 55
•60	0841	1059	1056	1054	1151	<b></b> 1175	•60
•65	0783	1064	1025	1051	1143	1170	• 65
.70	0629	0903	0954	0923	0881	0845	•70
.75	0616	0869	0893	0813	0770	0724	•75
.80		0926	0970	0978	0947	0871	.80
•85		• 6404	1024	1062	1072	1030	.85
.90		2	0822	1109	1142	1132	.90

TEST 1514 BATCH 2 RUN 26 POINT 200

Q = 189.46 HO = 936.9 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.87 BETA = .00

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0511	0536	0499	0721	0770	0742	0.00
.05	0822	0687	0687	0912	0979	0991	.05
.10	1143	0980	0969	1124	1204	1144	.10
.15	1148	1200	1193	0991	1217	1158	.15
.20	1152	1210	1224	1236	1220	1163	.20
.25	1123	1217	1221	1250	1221	1180	.25
.30	1167	1219	1222	1261	1237	1223	.30
.35	1123	1230	1233	1259	1250	1259	.35
.40	1124	1221	1238	1252	1265	1259	.40
•45	1108	1202	1204	1223	1249	1251	•45
•50	1138	<b></b> 1175	1152	1188	1242	1244	•50
•55	1066	1173	1154	1157	1218	1256	•55
.60	0969	1183	1132	1146	1213	1251	.60
.65	0891	1192	1146	1148	1213	1247	•65
.70	0823	1105	1127	1090	1096	1057	.70
.75	0813	1094	1113	1080	1105	1061	.75
.80		1129	1173	1167	1203	1153	.80
.85		.6259	1204	1232	1240	1209	•85
.90		2.3575	0996	1241	1275	1242	.90

TEST 1514 BATCH 2 RUN 24 POINT 183

Q = 189.02 HO = 934.7 PINF = 34.4 R/FT = .998

MACH= 2.800 ALPHA= 11.87 BETA = -8.04

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0503	0564	0555	0686	0645	0641	0.00
•05	0596	0637	0662	0784	0713	0707	•05
.10	0680	0554	0522	0757	0735	0728	.10
•15	0630	0670	0471	0570	0669	0681	.15
.20	0830	0916	0938	0711	0687	0679	•20
•25	0594	0928	0950	0722	0607	0567	.25
•30	0870	0954	0981	0626	0530	0499	•30
•35	0475	0982	1008	0578	0511	0495	.35
•40	0874	0979	1007	0548	0534	0518	•40
•45	0641	0981	0995	0567	0589	0580	•45
• 50	0900	0991	1011	0658	0694	0695	•50
• 55	0810	0974	1018	0788	0840	0869	•55
• 60	0617	1007	1016	0934	0996	1035	•60
• 65	0484	1031	1011	1006	1040	1069	•65
•70	.0853	.0358	.0157	0956	1018	1006	•70
•75	0400	.0828	.0841	0950	1002	1000	•75
.80		.1105	.1093	0893	0931	0936	.80
.85		.9211	.1287	0914	0929	0954	.85
•90			.1461	0910	0946	0959	.90
							•

TEST 1514 BATCH 2 RUN 24 POINT 186

Q = 190.05 HO = 939.8 PINF = 34.6 R/FT = 1.003

MACH= 2.800 ALPHA= 11.87 BETA = -3.99

ETA	X/L=.1	X/L=.2	v /1 _ 2	V/1 - 6	77 /7 0	/- 0	
	·		X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0597	0671	0618	0708	0721	<b>~.</b> 0691	0.00
• 05	0612	<b></b> 0517	0559	0758	0704	<b></b> 0656	•05
.10	1062	0393	0501	0753	0672	0614	.10
•15	0683	0964	0684	0567	0612	0570	.15
.20	1080	1191	1188	0723	0576	0525	•20
•25	0701	1183	<b></b> 1178	0695	0536	0514	.25
•30	1065	1167	1126	0668	0592	0621	.30
•35	0832	1159	1186	0744	0734	0784	.35
•40	1053	1139	1172	0876	0916	0964	•40
•45	0914	<b>~.</b> 1153	1159	0971	1007	1042	.45
• 50	1055	1126	1149	0946	0963	0982	• 50
• 55	0885	1116	1151	0892	0936	0945	• 55
• 60	0940	1131	1177	0857	0923	0926	• 60
• 65	<b></b> 0747	1158	1136	0830	0910	0900	•65
•70	•0056	0191	0300	0891	0960	0942	.70
•75	0717	.0185	.0253	0944	1025	1004	•75
.80		.0351	.0415	1064	1082	1072	•80
• 85		.8616	.0459	1083	1122	1134	.85
•90			.0194	1065	1112	1131	.90

TEST 1514 BATCH 2 RUN 24 POINT 187

Q = 190.17 HO = 940.4 PINF = 34.7 R/FT = 1.004

MACH= 2.800 ALPHA= 11.87 BETA = -2.01

### PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0299	0367	0334	0552	0533	0496	0.00
•05	0371	0283	0291	0602	0579	<b></b> 0532	•05
.10	0956	0248	0252	0637	0598	0570	.10
.15	0748	0600	0497	0559	0546	0541	.15
.20	1024	1117	1105	0727	0504	0531	.20
.25	0714	1112	1087	0636	0571	0637	.25
.30	1000	1089	1027	0681	0781	0835	.30
.35	0856	1080	1109	0875	0994	1033	.35
.40	0989	1053	1120	0995	1042	1059	•40
.45	0869	1061	1099	0971	1002	1016	•45
•50	0978	1043	1077	0912	0970	0978	• 50
•55	0824	1034	1060	0872	0966	0982	• 55
.60	0886	1051	1085	0837	0962	0972	• 60
.65	0700	1092	1036	0841	0970	0959	•65
.70	0052	0398	0435	0826	0861	0843	.70
•75	0702	0097	0025	0799	0733	0698	•75
.80	•0,02	0063	0101	1003	0918	0868	•80
.85		.8455	0216	1092	1125	1100	•85
.90			0172	1109	1167	1160	.90

TEST 1514 BATCH 2 RUN 24 POINT 190

Q = 189.69 HO = 938.0 PINF = 34.6 R/FT = 1.001

MACH= 2.800 ALPHA= 11.87 BETA = 1.99

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0358	0413	0367	0551	0564	0541	0.00
•05	0411	0361	0378	0631	0606	0606	•05
.10	0675	0457	0432	0635	0798	0878	.10
.15	1031	0618	0584	0683	0936	0882	.15
•20	0790	0817	0788	1061	0855	0858	.20
•25	0982	0815	0771	1055	1007	<b></b> 1097	•25
•30	0866	0764	0752	1010	1217	1247	.30
.35	0967	0874	0883	1137	1226	1241	.35
.40	0906	0957	0984	1158	1207	1219	•40
•45	0972	0980	0975	1136	1183	<b></b> 1197	• 45
•50	0885	0969	0951	1101	1149	1155	•50
•55	0954	0960	0926	1060	1148	1174	• 55
.60	0814	0929	0918	1042	1145	1182	• 60
.65	0851	0927	0884	1045	<b></b> 1157	<b></b> 1162	•65
.70	0701	0807	0857	0470	0338	0281	.70
.75	0379	0859	0889	.0029	.0139	.0170	•75
.80		0930	0970	0194	0166	0074	.80
.85		.7970	1017	0352	0364	0316	•85
<b>.9</b> 0			0861	0427	0390	0400	•90

TEST 1514 BATCH 2 RUN 24 POINT 191

Q = 190.15 HO = 940.3 PINF = 34.6 R/FT = 1.004

MACH= 2.800 ALPHA= 11.87 BETA = 4.00

# PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0323	0399	0387	0595	0587	0543	0.00
•05	0330	0421	0455	0609	0604	<b></b> 05 <b>9</b> 8	.05
.10	0541	0483	0493	0566	0795	0998	.10
.15	1061	0568	0560	0751	1074	1053	•15
•20	0588	0637	0635	1138	1028	1024	.20
•25	1030	0631	0621	1114	1138	1216	•25
.30	0702	0597	0587	1111	1271	<b></b> 1291	.30
.35	1005	0722	0655	1202	1266	1279	•35
•40	0906	0866	0732	1194	1239	1256	•40
.45	1013	0991	0751	1174	1218	1227	•45
.50	0893	0992	0744	1155	1206	1209	• 50
•55	0986	0968	0758	1137	1203	1229	• 55
•60	0786	0962	0877	1136	1209	1243	•60
•65	0883	0946	0949	1141	1212	<b></b> 1212	•65
.70	0722	0769	0963	0318	0189	0161	•70
.75	.0034	0707	1042	.0354	.0382	.0391	.75
.80		0993	1079	.0516	.0614	.0606	.80
.85		.7792	1095	•0457	• 0544	.0658	•85
•90			0906	.0314	.0266	.0341	•90

TEST 1514 BATCH 2 RUN 24 POINT 194

Q = 189.56 Ho = 937.4 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 11.87 BETA = 8.01

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0761	0826	0814	0884	0861	0829	0.00
.05	0821	0788	0838	0990	0900	0891	.05
.10	0773	0824	0824	0842	0955	1131	.10
.15	1107	0820	0821	0573	1258	1261	.15
.20	0748	0825	0823	1235	1272	1314	.20
.25	1092	0794	0753	1215	1336	1333	.25
.30	0640	0766	0704	1288	1325	1324	.30
•35	1092	0650	0612	1280	1315	1324	.35
.40	0642	0613	0622	1273	1303	1311	•40
.45	1112	0681	0657	1260	1303	1310	•45
• 50	0855	0760	0753	1249	1296	1298	.50
• 55	1107	0891	0880	1250	1298	1318	•55
• 60	0897	1005	1014	1256	1299	1321	•60
• 65	1004	1017	1047	1263	1310	1292	• 65
.70	0826	0983	1103	.0104	.0152	.0248	.70
.75	.0720	0966	1081	.0886	.0908	.0946	•75
.80		0976	1065	.1132	.1146	•1171	.80
.85		.7331	1046	.1282	.1305	.1363	.85
• 90			0893	.1472	.1491	.1559	.90

## TABLE CIII.- Continued

TEST 1514 BATCH 2 RUN 24 POINT 184

Q = 189.58 HO = 937.5 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.87 BETA = -8.04

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0896	0939	0936	0947	0943	0929	0.00
.05	1028	1065	1092	1099	1069	1040	.05
.10	<b></b> 1055	1060	1062	1102	1088	1037	.10
•15	1078	1078	1058	0909	1076	1038	.15
•20	<b></b> 1115	1170	1186	1103	1107	1057	.20
•25	1060	<b></b> 1179	1187	1139	1115	1089	.25
•30	1127	1177	1190	1129	1058	1035	.30
•35	1028	1191	1201	1050	0898	0918	• 35
•40	1123	1184	1192	0914	0868	0877	•40
• 45	<b></b> 0983	1201	1183	0890	0899	0893	•45
• 50	1144	1200	1198	0939	0958	0919	•50
• 55	0941	1186	1198	0993	0992	0981	• 55
• 60	0920	1215	1155	1043	1044	1047	•60
• 65	0733	1240	1206	1080	1070	1085	• 65
•70	.0217	0111	0291	1105	1121	1102	.70
•75	0690	.0129	.0181	1080	1109	1090	•75
• 80		.0156	.0112	1082	1105	1074	.80
• 85		.8988	0009	1059	1050	1041	.85
• <b>9</b> 0			0012	1050	1054	1039	•90

TEST 1514 BATCH 2 RUN 24 POINT 185

Q = 190.25 HO = 940.8 PINF = 34.7 R/FT = 1.004

MACH= 2.800 ALPHA= 19.87 BETA = -3.99

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0992	1049	1022	1021	1077	1087	0.00
• 05	1062	1167	1185	1105	<b></b> 1152	1136	•05
•10	1157	1180	1173	1054	1112	1066	.10
•15	1026	1223	1211	0906	1077	<b></b> 1042	•15
•20	1182	1261	1259	1138	1066	0978	.20
•25	1001	1255	1260	1154	0964	0930	.25
.30	1179	1257	1258	1087	0964	0965	.30
• 35	0996	1259	1262	1019	0994	1011	.35
•40	1180	1249	1257	1042	1047	1048	.40
• 45	1059	1262	1245	1077	1086	1088	•45
• 50	1187	<b></b> 1265	1253	1097	1113	1113	• 50
• 55	1031	<b></b> 1257	1259	1108	1117	1153	• 55
• 60	0996	1265	1218	1100	1117	1145	•60
• 65	0813	1292	1253	1097	1116	1120	• 65
•70	0342	0646	0741	1129	1155	<b></b> 1135	•70
• 75	0782	<b></b> 0578	0627	1091	1147	1123	•75
.80		0650	0715	1115	1136	1130	.80
• 85		•8755	0787	1114	1119	1133	.85
• 90			0603	1106	1131	1137	•90

## TABLE CIII.- Continued

TEST 1514 BATCH 2 RUN 24 POINT 188

Q = 189.58 HO = 937.5 PINF = 34.5 R/FT = 1.001

MACH= 2.800 ALPHA= 19.87 BETA = -2.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0716	0617	0532	<b></b> 072 <b>9</b>	0764	0781	0.00
• 05	0662	0980	0951	0842	0906	<b></b> 0950	.05
.10	1147	1046	1058	1021	1096	1056	.10
•15	1037	1133	1105	0926	1084	1066	•15
•20	1166	1246	1255	1132	1086	1020	.20
•25	1004	1221	1239	1135	1051	0959	.25
•30	1148	1206	1219	1140	1043	0991	.30
•35	1014	1228	1231	1097	1081	1084	.35
•40	<b></b> 1152	1225	1233	1088	1113	1152	.40
•45	1054	1239	1230	1092	1132	<b></b> 1177	•45
• 50	1158	1235	1234	1097	1146	1153	• 50
• 55	1013	1222	1233	1087	1124	1157	• 55
• 60	0987	1238	1195	1077	1130	1148	•60
• 65	0812	<b></b> 1254	1216	1069	1114	1129	•65
•70	0507	0877	0943	1128	1159	1120	.70
•75	0821	0814	0848	1127	1182	1156	•75
.80		0363	0923	1170	1214	1198	.80
.85		.8303	0973	1187	1210	1221	.85
•90			0711	1184	1220	1230	•90

TEST 1514 BATCH 2 RUN 24 POINT 189

Q = 189.48 HO = 937.0 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.87 BETA = 1.99

## PRESSURE COEFFICIENTS FOR:

0.00      0650      0687      0650      0804      0841      0863         .05      1003      0691      0718      1099      1182      1197         .10      1148      0894      0883      1225      1268      1232	0.00 .05 .10 .15
.10114808940883122512681232	.10 .15
11200 11232	.15
.15113611491129101312781260	.20
.20114312041213125212791248	
.25111512031208126912721239	.25
.30113211991197125912601247	•30
.35108512011196122712551270	•35
.40112711821196123512701288	.40
.45113011881176123912711292	• 45
.50111411821179123912711286	•50
.55109411721175123312711314	• 55
.60096411531169122812721312	•60
.65089111511128124012711278	• 65
.70073810911108100809270886	•70
.75078310931101090508510811	•75
<b>.</b> 8011141132105310340947	.80
.85 .81231141115011461110	•85
<b></b> 0883 <b></b> 1190 <b></b> 1215 <b></b> 1199	•90

#### TABLE CIII. - Concluded

TEST 1514 BATCH 2 RUN 24 POINT 192

Q = 189.34 HO = 936.3 PINF = 34.5 R/FT = 1.000

MACH= 2.800 ALPHA= 19.87 BETA = 4.00

## PRESSURE COEFFICIENTS FOR:

ЕТА	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	ETA
0.00	0792	0852	0855	0937	0986	0983	0.00
.05	0940	0941	0943	1096	1159	1146	• 05
.10	0886	0823	0820	1125	1226	1225	.10
.15	1173	0883	0934	1012	1288	<b></b> 1255	.15
.20	0915	0973	1016	1280	1280	1244	.20
.25	1148	0967	1005	1289	1307	1287	.25
.30	0953	0953	0994	<b></b> 128 <b>7</b>	1333	1299	.30
.35	1145	0982	0956	1309	1335	1303	.35
•40	1077	1031	1008	1311	1330	1296	.40
.45	1186	1091	1050	1304	1322	1294	• 45
•50	1098	1093	1083	1308	1324	1287	• 50
•55	1155	1072	1091	1307	1324	<b></b> 1313	• 55
•60	0919	1076	1105	1306	1329	1313	• 60
•65	0973	1080	1116	1314	<b></b> 1327	1294	• 65
.70	0835	0939	1136	0801	0655	0603	.70
.75	0348	1046	1141	0596	0487	0453	.75
.80		1161	1162	0722	0613	0581	.80
.85		.7659	1153	0868	0821	0757	.85
.90			0946	0944	0974	0942	•90

TEST 1514 BATCH 2 RUN 24 POINT 193

Q = 189.77 HO = 938.4 PINF = 34.6 R/FT = 1.002

MACH= 2.800 ALPHA= 19.87 BETA = 8.01

## PRESSURE COEFFICIENTS FOR:

ETA	X/L=.1	X/L=.2	X/L=.3	X/L=.6	X/L=.8	X/L=.9	EΤA
0.00	0999	1065	1064	1091	1129	1131	0.00
.05	1130	1156	1196	1258	1286	<b></b> 1284	.05
.10	1135	1176	1194	1172	1249	1295	.10
•15	1233	1199	1216	0944	<b></b> 1359	1327	•15
.20	1134	1209	1235	1326	1354	1325	.20
•25	1220	1200	1211	1339	1359	<b></b> 1331	.25
.30	1133	1205	1211	1348	1362	1331	.30
•35	1220	1201	1191	1343	1355	1340	• 35
•40	0973	1129	1085	1349	1359	1334	•40
•45	1264	1033	0907	1345	1351	1332	• 45
•50	0979	0953	0925	1347	1353	<b></b> 1319	• 50
•55	1244	0994	0965	1354	1357	1348	• 55
•60	0933	1046	1032	1355	1358	1347	•60
•65	1015	1077	1088	1380	1368	1326	• 65
.70	0871	1066	1167	0245	0029	0017	•70
.75	.0060	1058	1153	.0224	.0311	.0332	.75
.80		1085	1162	.0121	.0162	.0246	.80
.85		•7457	1132	.0044	0029	.0135	•85
.90			0947	0295	0236	0146	•90

#### APPENDIX D

## FLOW VISUALIZATION DATA

Vapor screen, tuft flow, and oil flow visualization photographs are presented. Table DI gives the definition for the 12 flow-type designations used in table DII. Table DII is an index to the flow visualization data.

TABLE DI.- FLOW-TYPE DEFINITIONS

Flow type	Definition
A	Attached flow
В	Leading-edge bubble
v	Leading-edge vortex
VS	Leading-edge vortex with shock
НВ	Hinge-line bubble
HV	Hinge-line vortex
в-нв	Leading-edge bubble and hinge-line bubble
B-HV	Leading-edge bubble and hinge-line vortex
BS-HB	Leading-edge bubble with shock and hinge-line bubble
BS-HV	Leading-edge bubble with shock and hinge-line vortex
S-HV	Shock and hinge-line vortex
S-HVS	Shock and hinge-line vortex with shock

TABLE DII.- INDEX TO FLOW VISUALIZATION DATA

Figure	Configuration	М	α, deg	Flow type	Vapor screen	Tuft flow	Oil flow	Page
DI (a) (b) (c) (d) (e)	75° delta wing with $\delta_{ m F}$ = 0°	1.70	0 4 8 12 16	A V V V	√ √ √ √			395 396 397 398 399
D2(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F}$ = 0°	2.00	0 4 8 12 16 20	A V V V VS VS	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √			400 401 402 403 404 405
D3(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F}$ = 0°	2.40	0 4 8 12 16 20	A V VS VS VS	√ √ √ √ √			406 407 408 409 410 411
D4(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F}$ = 0°	2.80	0 4 8 12 16 20	A V VS VS VS VS	√ √ √ √			412 413 414 415 416 417
D5(a) (b) (c) (d) (e) (f) (g)	75° delta wing with $\delta_{\rm F}$ = 5°	1.50	0 3 4 5 6 8 10	A B B V V	✓ ✓ ✓ ✓	√ √ √ √		418 419 420 421 422 423 424
D6(a) (b) (c) (d) (e) (f) (g) (h)	75° delta wing with $\delta_{\rm F}$ = 5°	1.70	0 3 4 5 6 8 12 16	A B B-HB B-HB V V	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	√ √ √ √	√ √ √	425 426 427 428 429 430 431 432

TABLE DII.- Continued

Figure	Configuration	М	α, deg	Flow type	Vapor screen	Tuft flow	Oil flow	Page
D7(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)	75° delta wing with $\delta_{ m F}$ = 5°	2.00	0 3 4 5 6 8 10 12 16 20	A B B-HB B-HB V V V V VS	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ √ √ √ √		433 434 435 436 437 438 439 440 441 442
D8(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\rm F}$ = 5°	2.40	0 3 4 5 6 8 12 16 20	A B-HB B-HB B-HB V V VS VS	<b>* * * * * * * * * *</b>	√ √ √ √ √ √		443 444 445 446 447 448 449 450 451
D9(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{ m F}$ = 5°	2.80	0 3 4 5 6 8 12 16 20	A B-HB B-HB B-HB BS-HV VS VS	✓ <p< td=""><td>√ √ √ √</td><td></td><td>452 453 454 455 456 457 458 459 460</td></p<>	√ √ √ √		452 453 454 455 456 457 458 459 460
D10(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{\rm F}$ = 5° with forebody	1.50	0 3 4 5 6 8	A S-HB B V V		√ √ √ √		461 462 463 464 465 466
D11(a) (b) (c) (d) (e) (f) (g) (h)	75° delta wing with $\delta_{ m F} = 5^{ m o}$ with forebody	1.70	0 3 4 5 6 7 8 12 16	A B B-HB B-HB B V V		√ √ √ √ ✓ <p< td=""><td>√ √ √</td><td>467 468 469 470 471 472 473 474</td></p<>	√ √ √	467 468 469 470 471 472 473 474

## TABLE DII.- Continued

Figure	Configuration	М	α, deg	Flow type	Vapor screen	Tuft flow	Oil flow	Page
D12(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\rm F}$ = 5° with forebody	2.00	0 3 4 5 6 7 8 12 16 20	A B B-HB B-HB V V V V VS		<b>✓ ✓ ✓</b>		476 477 478 479 480 481 482 483 484 485
D13(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\rm F}$ = 5° with forebody	2.40	0 4 5 6 7 8 12 16 20	A B-HB B-HB V V V V VS VS	\ \ \ \ \ \			486 487 488 489 490 491 492 493 494
D14(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\rm F}$ = 5° with forebody	2.80	0 4 5 6 7 8 12 16 20	A B-HB BS-HB BS-HV BS-HV VS VS	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √			495 496 497 498 499 500 501 502 503
D15(a) (b) (c) (d) (e) (f) (g)	75° delta wing with $\delta_{\mathrm{F}}$ = 10°	1.50	0 4 6 7 8 9	HV HV B-HV B-HV V	√ √ √ √	✓ ✓ ✓ ✓ ✓		504 505 506 507 508 509 510
D16(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\rm F}$ = 10°	1.70	0 4 6 7 8 9 10 12 16	1	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	√ √ √ √ √ √ √ ✓ <p< td=""><td></td><td>511 512 513 514 515 516 517 518 519</td></p<>		511 512 513 514 515 516 517 518 519

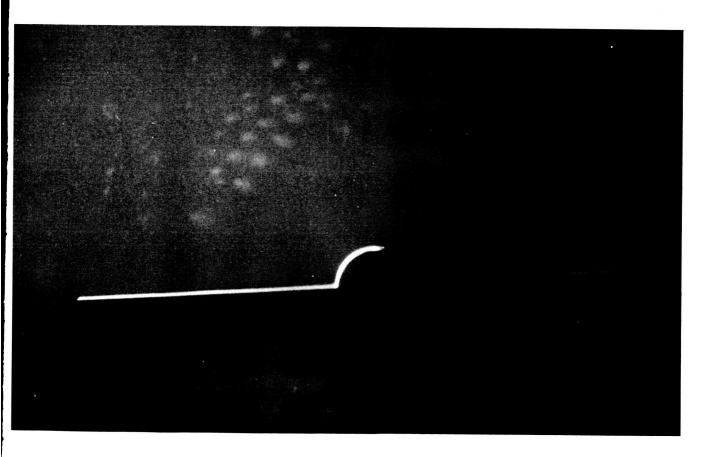
TABLE DII.- Continued

Figure	Configuration	м	α, deg	Flow type	Vapor screen	Tuft flow	Oil flow	Page
D17(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{ m F} = 10^{\circ}$	2.00	0 4 6 7 8 9 10 12 16 20	HB HV HV B-HV BS-HV V V VS	<	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √		520 521 522 523 524 525 526 527 528 529
D18(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{ m F}^{}=10^{\circ}$	2.40	0 4 6 7 8 10 12 16 20	HB HV HV B-HV BS-HV V VS	\ \ \ \ \ \ \ \			530 531 532 533 534 535 536 537 538
D19(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{\mathrm{F}}$ = 10°	2.80	0 4 6 7 8 10 12 16 20	HB HV HV S-HV S-HV VS VS	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			539 540 541 542 543 544 545 546 547
D20 (a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F}$ = 15°	1.50	0 4 8 9 10 11	HV HV B-HV V V		√ √ √ √		548 549 550 551 552 553
D21(a) (b) (c) (d) (e) (f) (g) (h)	75° delta wing with $\delta_{ m F}$ = 15°	1.70	0 4 8 9 10 11 12 16	HV HV V V V V	√ √ √	<b>✓</b> ✓ ✓ ✓ ✓ ✓		554 555 556 557 558 559 560 561

TABLE DII.- Concluded

Figure	Configuration	М	α, deg	Flow type	Vapor screen	Tuft flow	Oil flow	Page
D22(a) (b) (c) (d) (e) (f) (g) (h) (i)	75° delta wing with $\delta_{ m F}$ = 15°	2.00	0 4 8 9 10 11 12 16 20	HB HV HV B-HV B-HV B-HV V VS	<b>√ √ √ √</b>	√ √ √ √ √ √		562 563 564 565 566 567 568 569 570
D23(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F} = 15^{ m o}$	2.40	0 4 8 12 16 20	HB HV HV B-HV VS VS	<b>***</b>			571 572 573 574 575 576
D24(a) (b) (c) (d) (e) (f)	75° delta wing with $\delta_{ m F}^{}=15^{\circ}$	2.80	0 4 8 12 16 20	HB HV S-HV S-HVS S-HVS	<b>∀ ∀ ∀ ∀</b>			577 578 579 580 581 582

No data

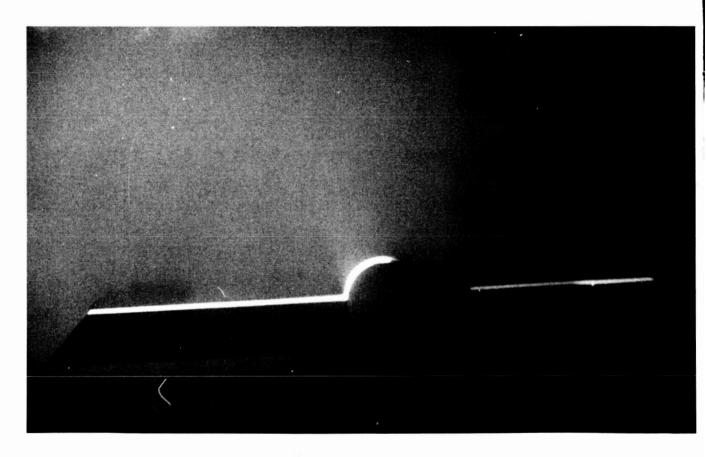


(a)  $\alpha = 0^{\circ}$ .

Figure Dl.- Flow visualization data at  $\,\text{M}$  = 1.70  $\,$  for 75° delta wing with  $\,\delta_F$  = 0°.

No data No data

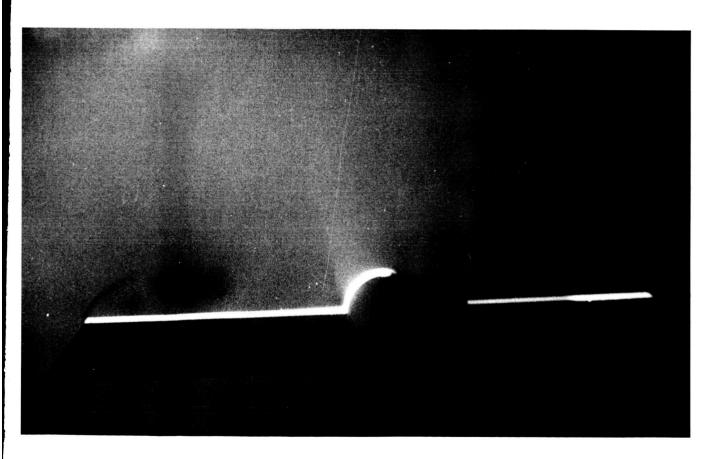
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(b)  $\alpha = 4^{\circ}$ .

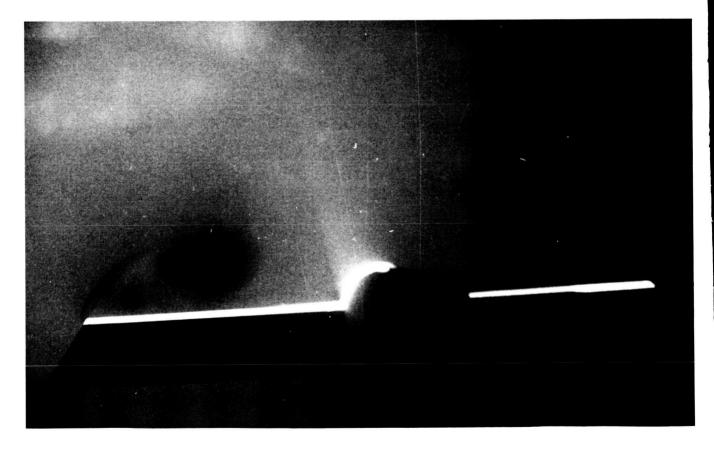
Figure Dl.- Continued.

No data



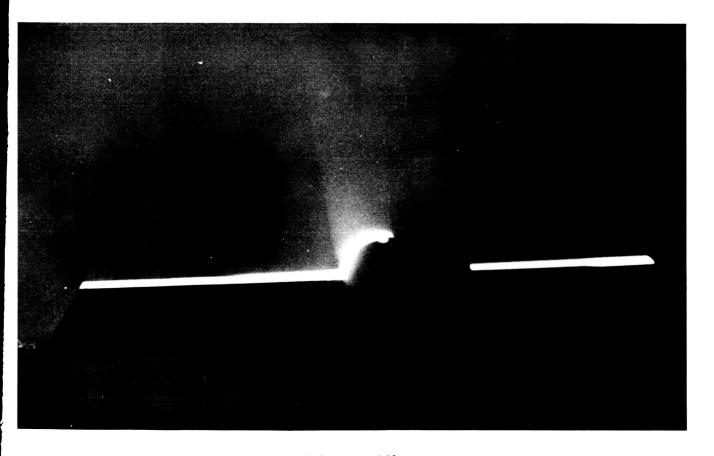
(c)  $\alpha = 8^{\circ}$ .

Figure Dl.- Continued.



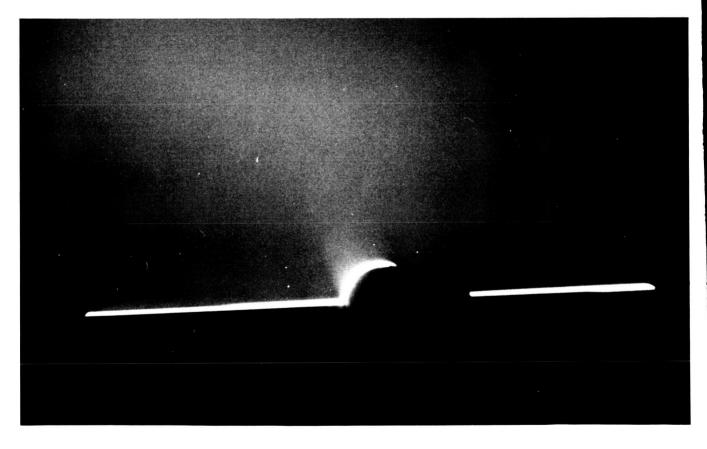
(d)  $\alpha = 12^{\circ}$ .

Figure Dl.- Continued.



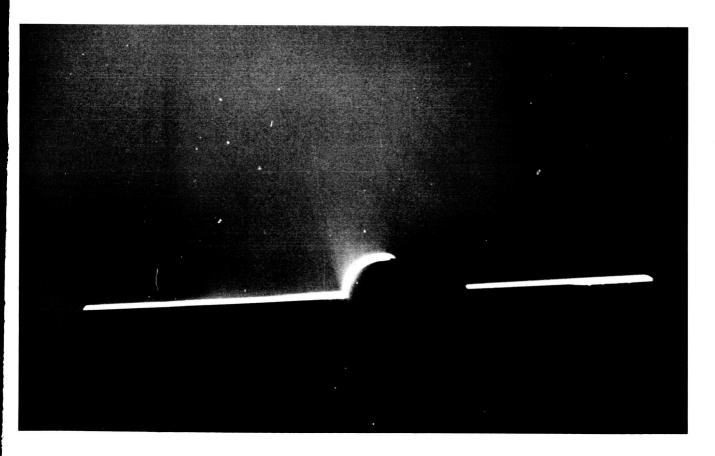
(e)  $\alpha = 16^{\circ}$ .

Figure Dl.- Concluded.



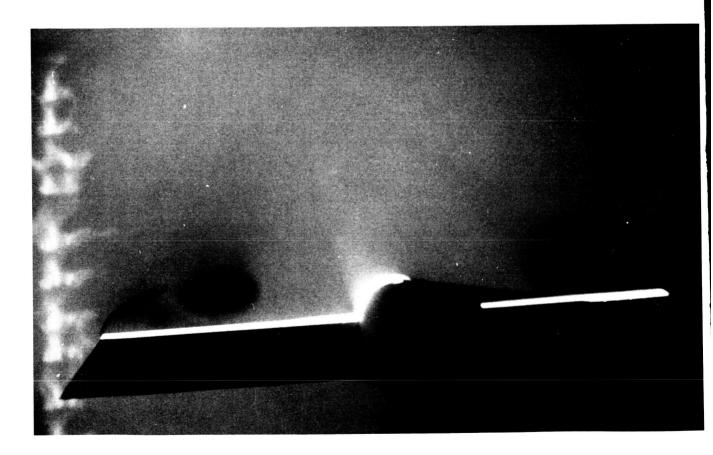
(a)  $\alpha = 0^{\circ}$ .

Figure D2.- Flow visualization data at  $\,\text{M}$  = 2.00  $\,$  for 75° delta wing with  $\,\delta_{F_{\rm c}}$  = 0°.



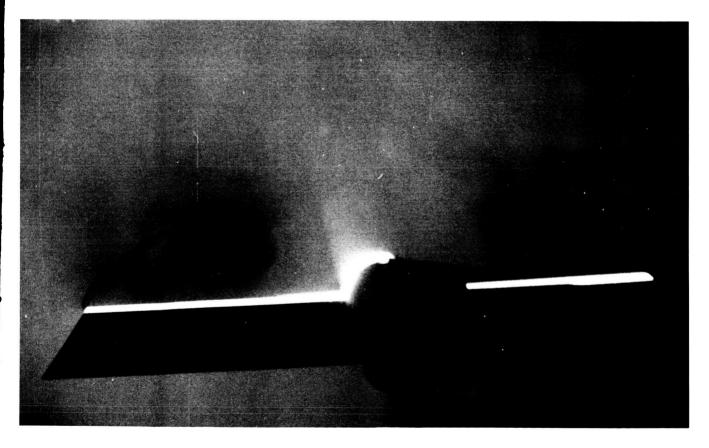
(b)  $\alpha = 4^{\circ}$ .

Figure D2.- Continued.



(c)  $\alpha = 8^{\circ}$ .

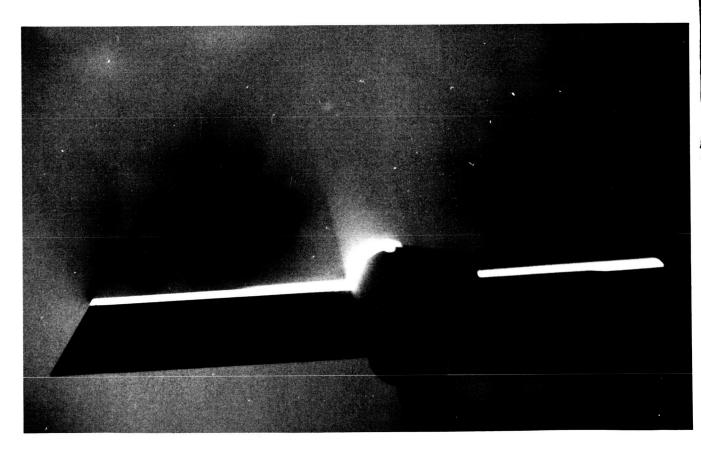
Figure D2.- Continued.



(d)  $\alpha = 12^{\circ}$ .

Figure D2.- Continued.

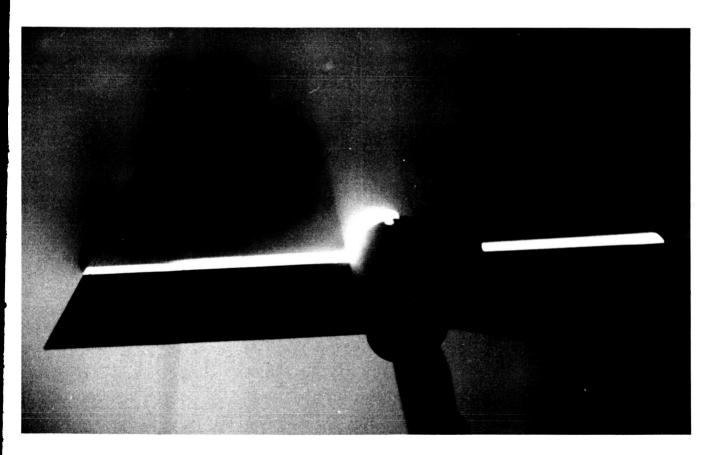
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(e)  $\alpha = 16^{\circ}$ .

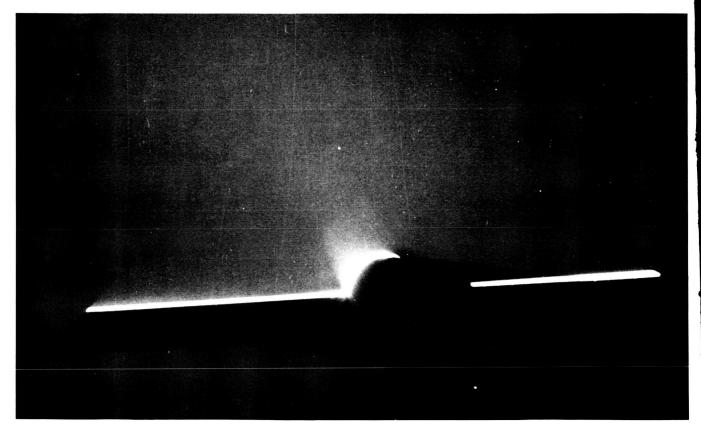
Figure D2.- Continued.

No data



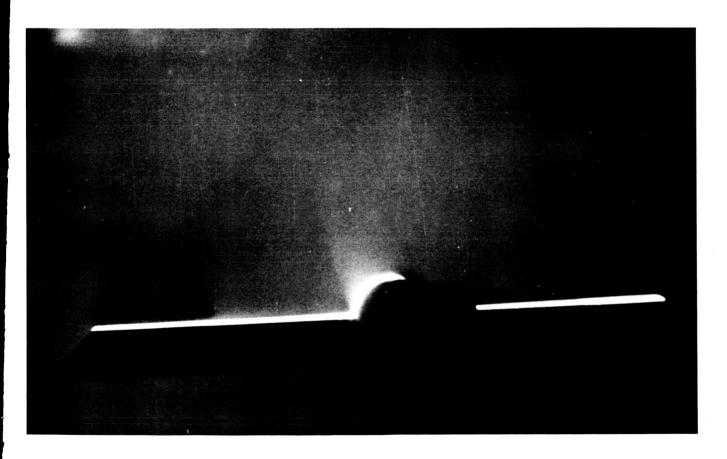
(f)  $\alpha = 20^{\circ}$ .

Figure D2.- Concluded.



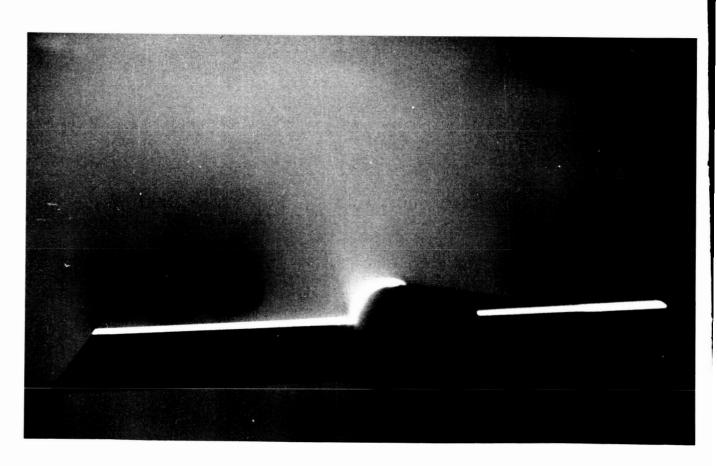
(a)  $\alpha = 0^{\circ}$ .

Figure D3.- Flow visualization data at  $\,\rm M$  = 2.40  $\,$  for 75° delta wing with  $\,\delta_{\rm F}$  = 0°.



(b)  $\alpha = 4^{\circ}$ .

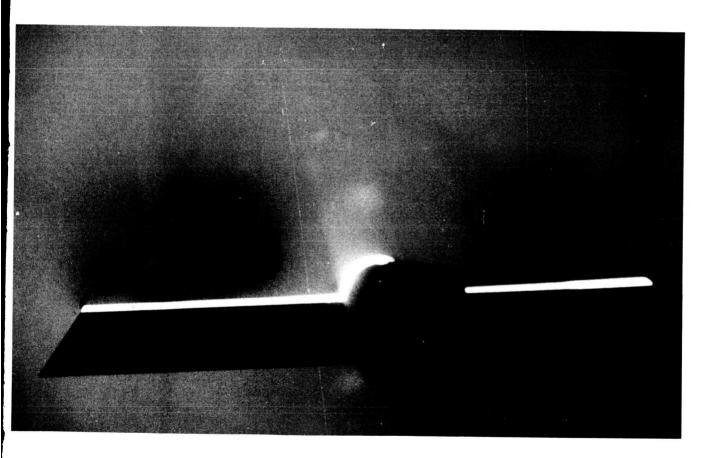
Figure D3.- Continued.



(c)  $\alpha = 8^{\circ}$ .

Figure D3.- Continued.

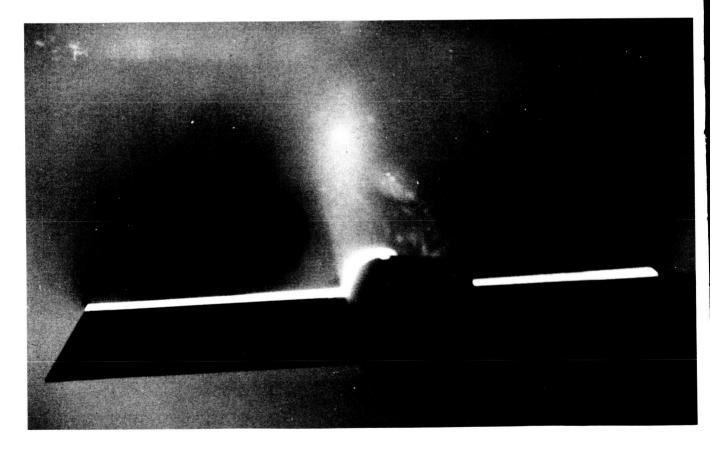
No data



(d)  $\alpha = 12^{\circ}$ .

Figure D3.- Continued.

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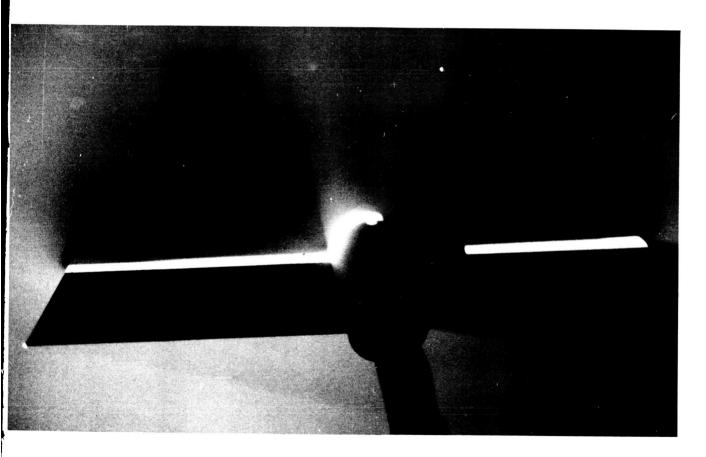


(e)  $\alpha = 16^{\circ}$ .

Figure D3.- Continued.

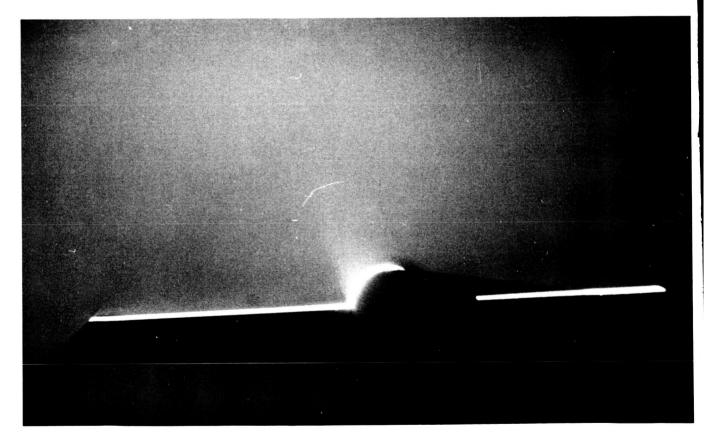
No data

No data



(f)  $\alpha = 20^{\circ}$ .

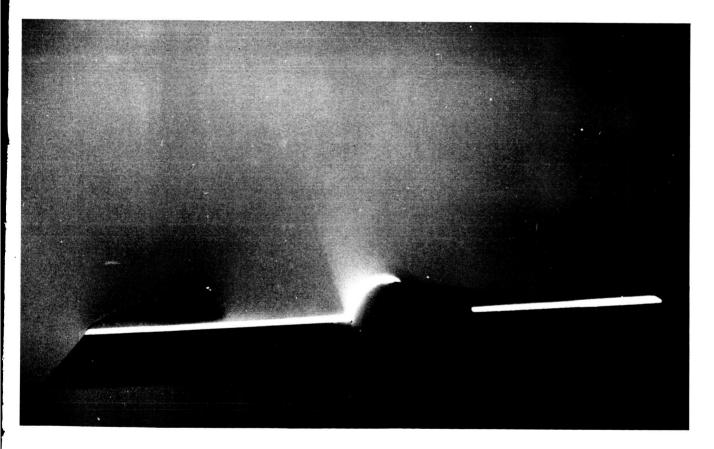
Figure D3.- Concluded.



(a)  $\alpha = 0^{\circ}$ .

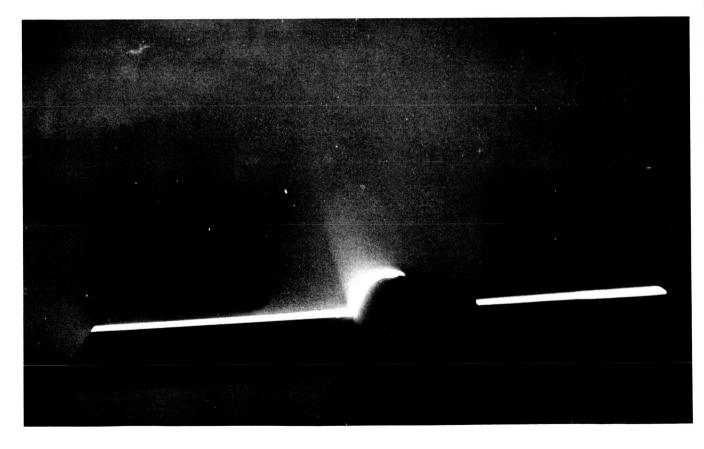
Figure D4.- Flow visualization data at  $\,$  M = 2.80  $\,$  for 75° delta wing with  $\,$   $\delta_{\rm F}$  = 0°.

No data



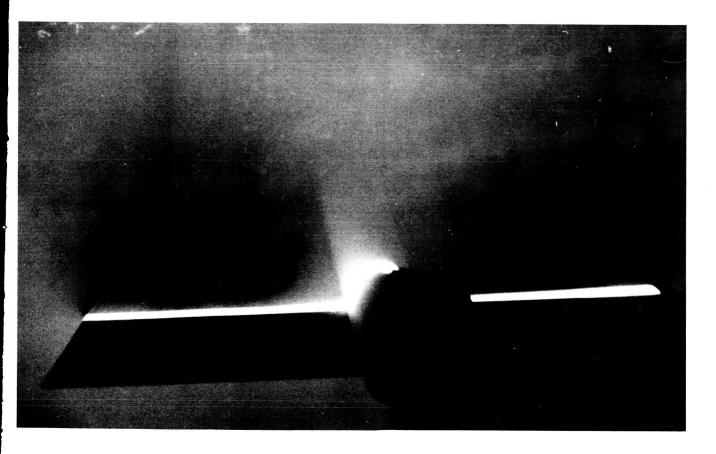
(b)  $\alpha = 4^{\circ}$ .

Figure D4.- Continued.



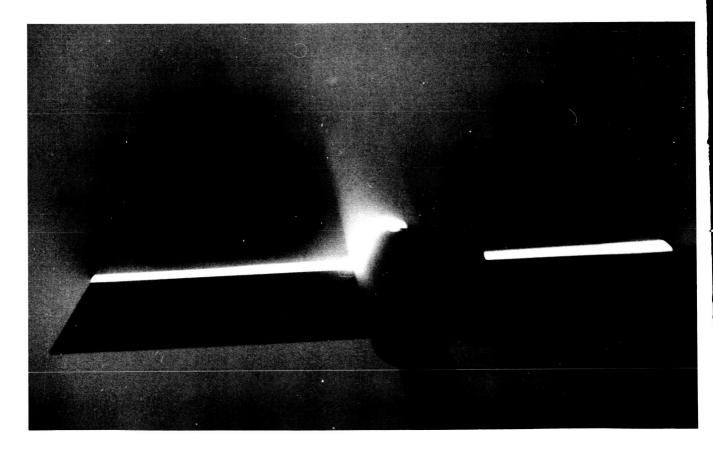
(c)  $\alpha = 8^{\circ}$ .

Figure D4.- Continued.



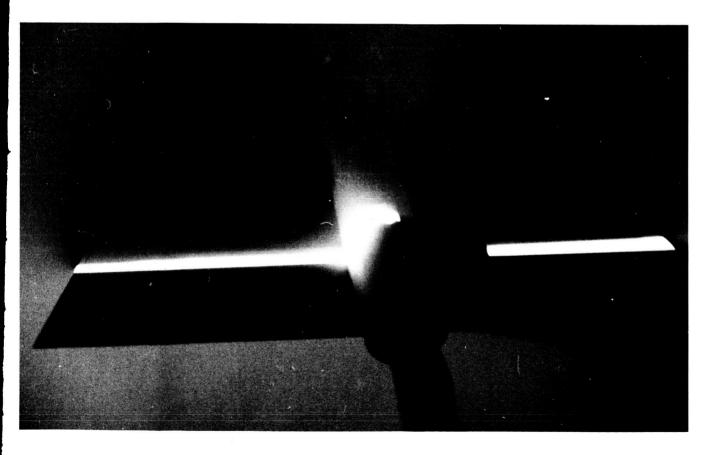
(d)  $\alpha = 12^{\circ}$ .

Figure D4.- Continued.



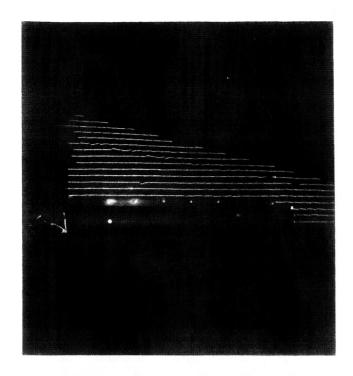
(e)  $\alpha = 16^{\circ}$ .

Figure D4.- Continued.

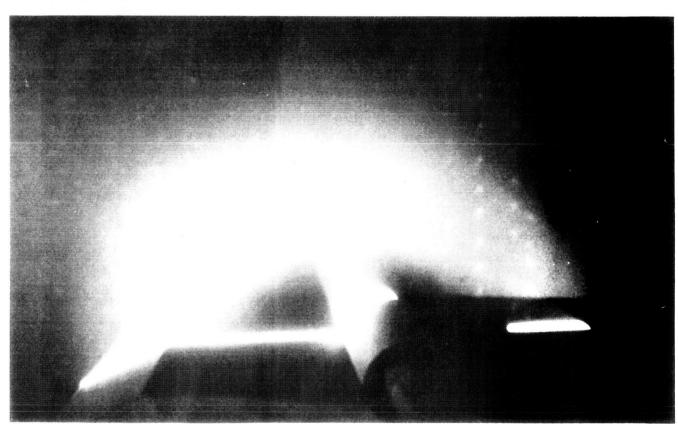


(f)  $\alpha = 20^{\circ}$ .

Figure D4.- Concluded.



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(a)  $\alpha = 0^{\circ}$ .

Figure D5.- Flow visualization data at  $\,$  M = 1.50  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 5°.



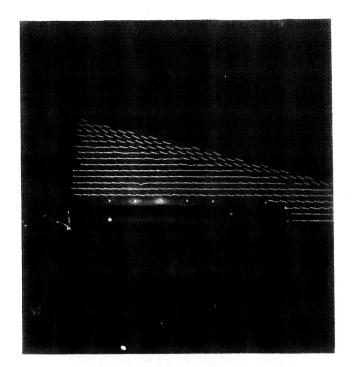
OF POOR QUALITY

No data

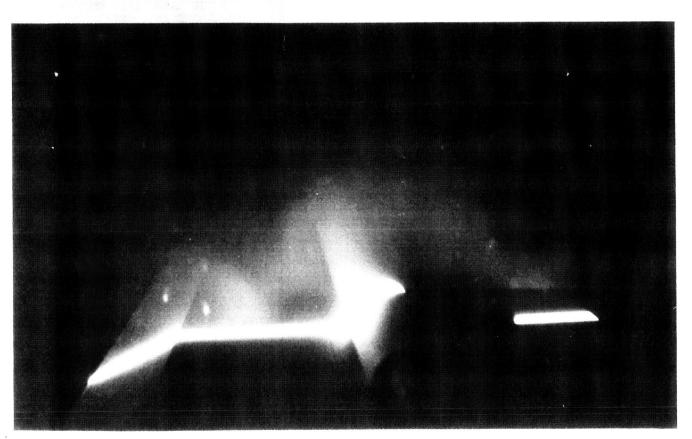
No data

(b)  $\alpha = 3^{\circ}$ .

Figure D5.- Continued.



No data

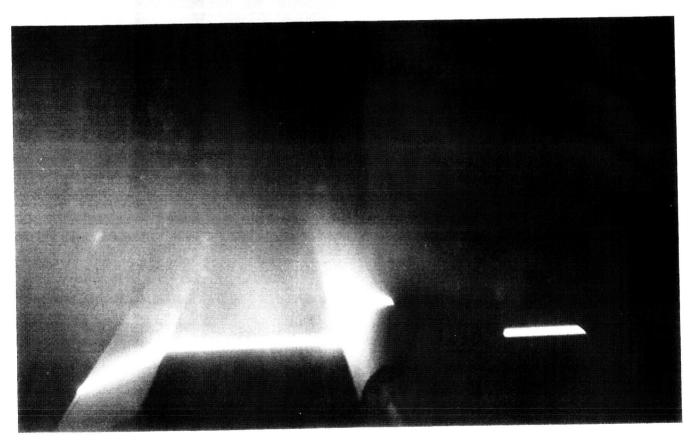


(c)  $\alpha = 4^{\circ}$ .

Figure D5.- Continued.



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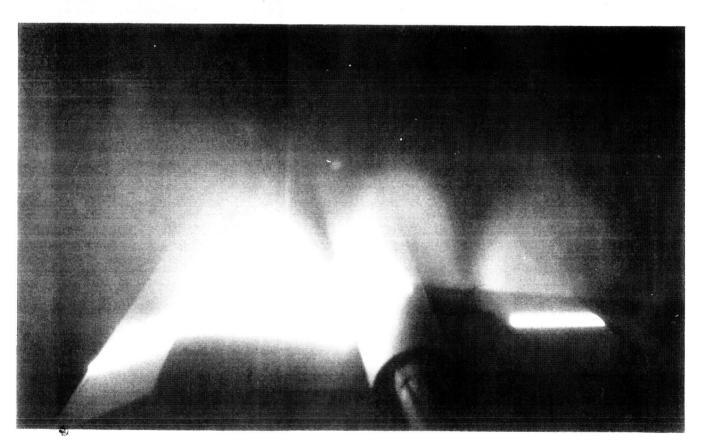


(d)  $\alpha = 5^{\circ}$ .

Figure D5. - Continued.



No data



(e)  $\alpha = 6^{\circ}$ .

Figure D5.- Continued.



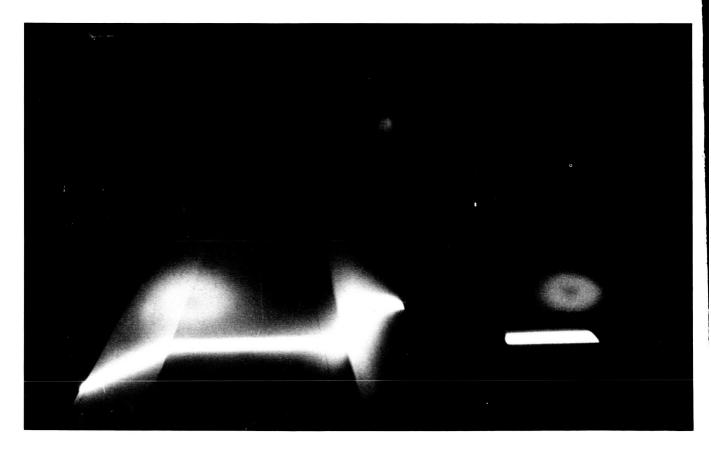
ORIGINAL FACTS TO OF POOR QUALITY

No data



(f)  $\alpha = 8^{\circ}$ .

Figure D5.- Continued.



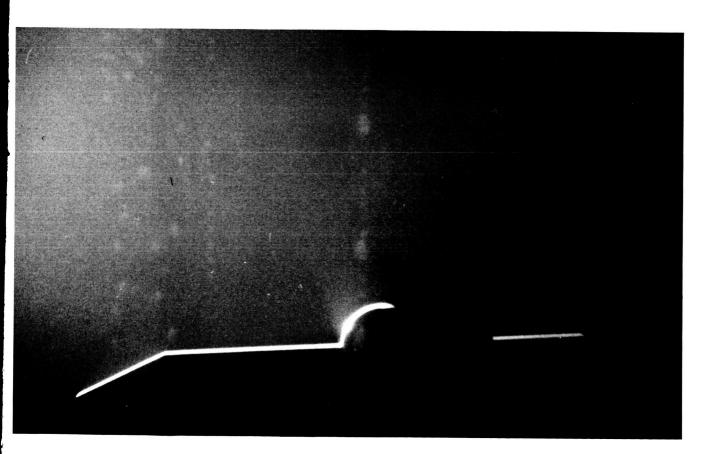
(g)  $\alpha = 10^{\circ}$ .

Figure D5.- Concluded.

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No data



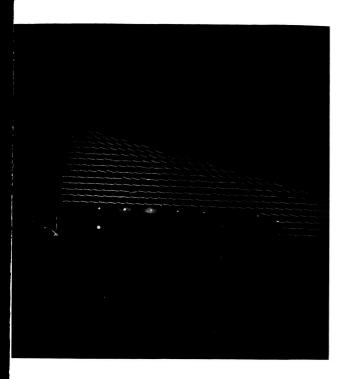
(a)  $\alpha = 0^{\circ}$ .

Figure D6.- Flow visualization data at  $\,\text{M}$  = 1.70  $\,$  for 75° delta wing with  $\,\delta_{\,F}$  = 5°.

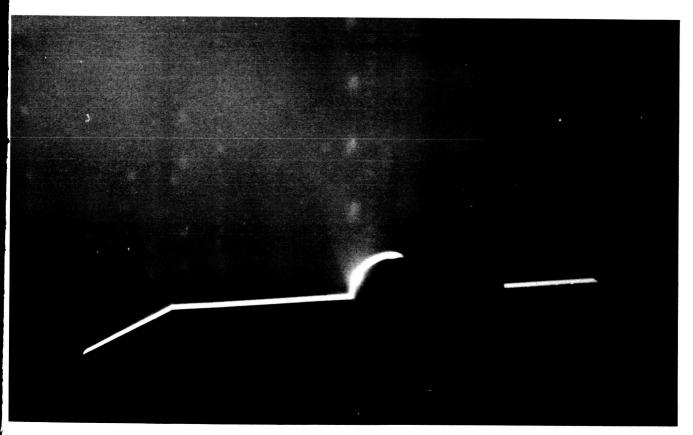


(b) 
$$\alpha = 3^{\circ}$$
.

Figure D6.- Continued.



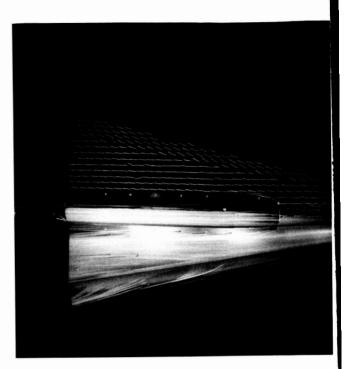
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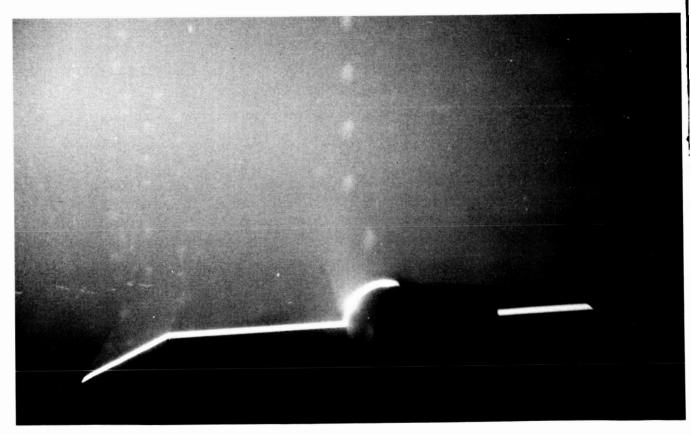


(c)  $\alpha = 4^{\circ}$ .

Figure D6.- Continued.

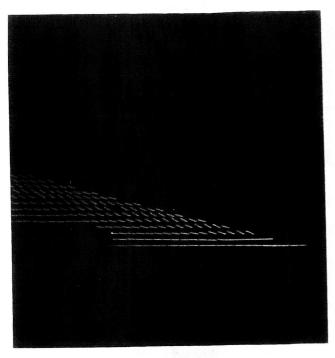


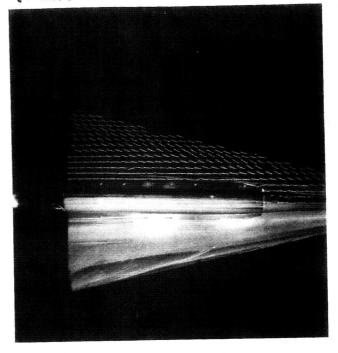


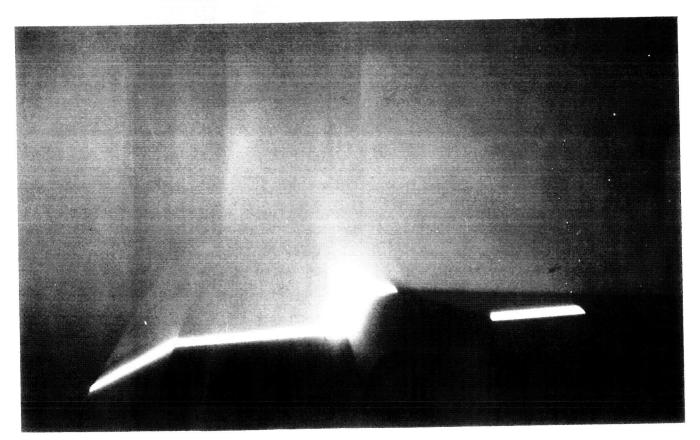


(d)  $\alpha = 5^{\circ}$ .

Figure D6.- Continued.





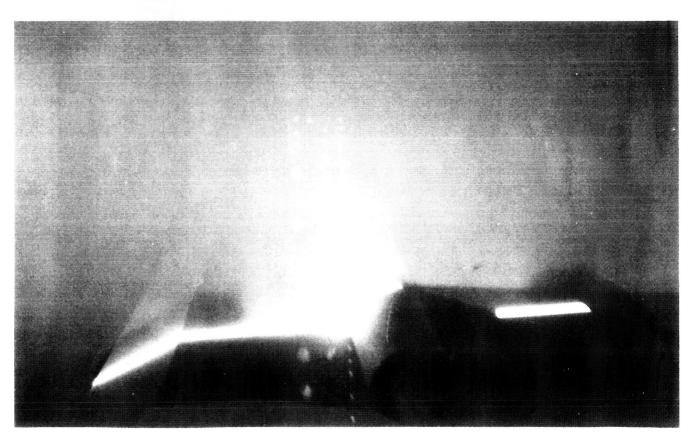


(e)  $\alpha = 6^{\circ}$ .

Figure D6. - Continued.



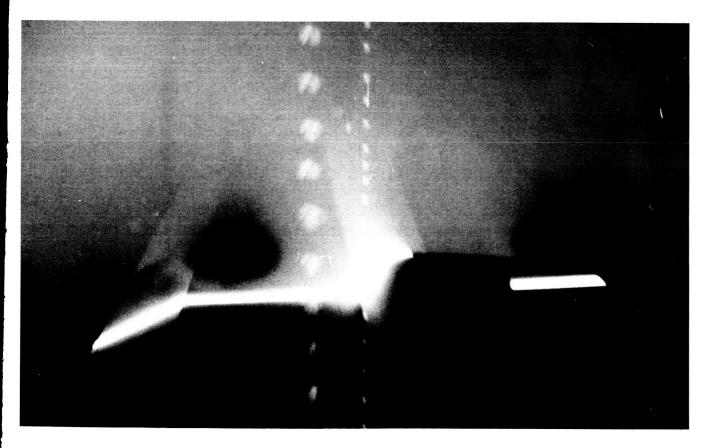
No data



(f)  $\alpha = 8^{\circ}$ .

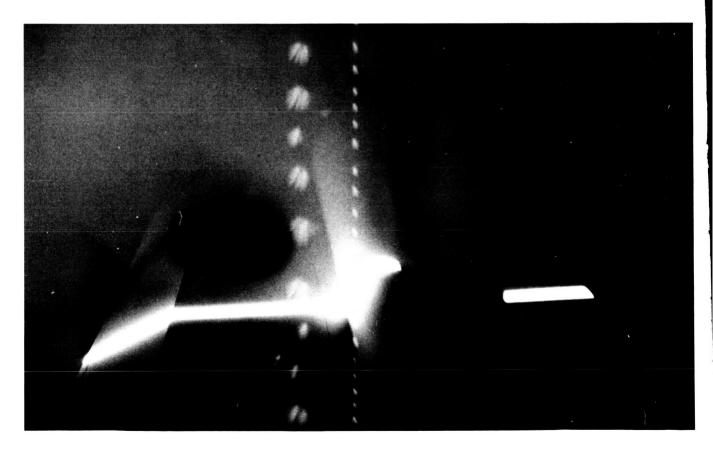
Figure D6. - Continued.

No data No data



(g)  $\alpha = 12^{\circ}$ .

Figure D6.- Continued.

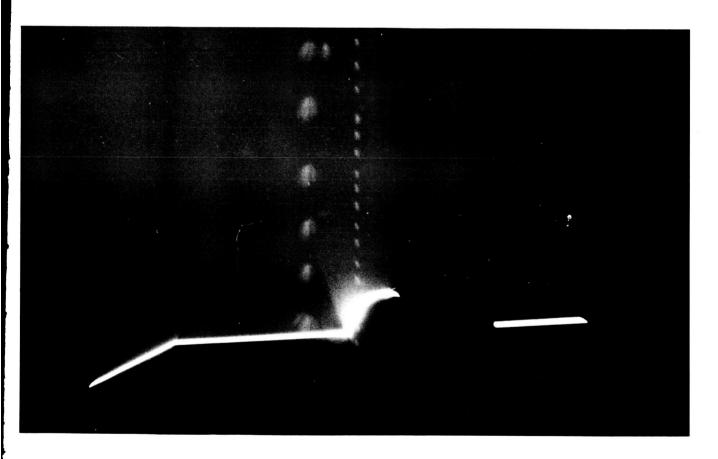


(h)  $\alpha = 16^{\circ}$ .

Figure D6.- Concluded.

No data

No data



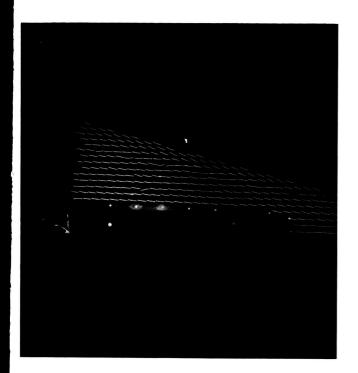
(a)  $\alpha = 0^{\circ}$ .

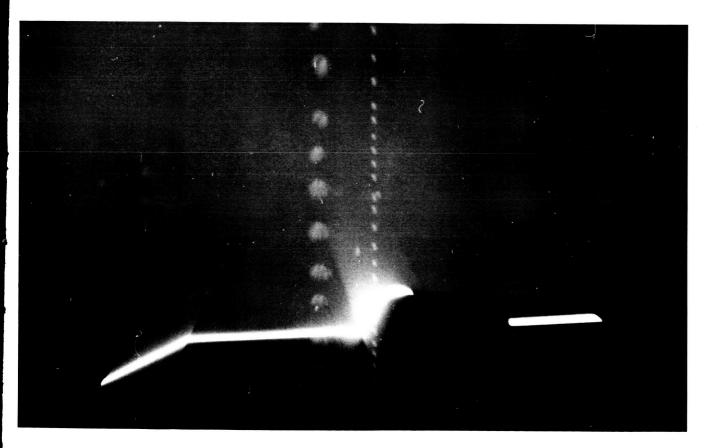
Figure D7.- Flow visualization data at  $\,\text{M}=\,2.00\,\,$  for 75° delta wing with  $\,\,\delta_F^{}=\,5^\circ\text{.}$ 



(b) 
$$\alpha = 3^{\circ}$$
.

Figure D7.- Continued.



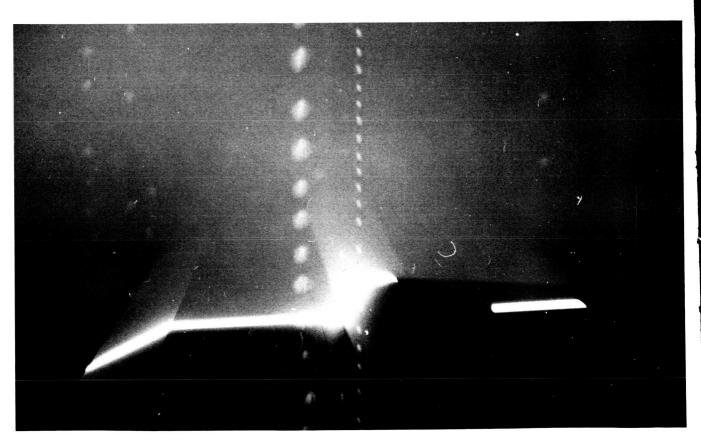


(c)  $\alpha = 4^{\circ}$ .

Figure D7.- Continued.



No data

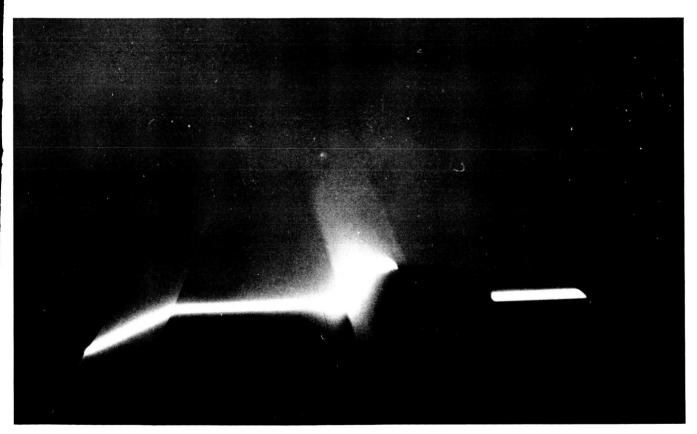


(d)  $\alpha = 5^{\circ}$ .

Figure D7.- Continued.

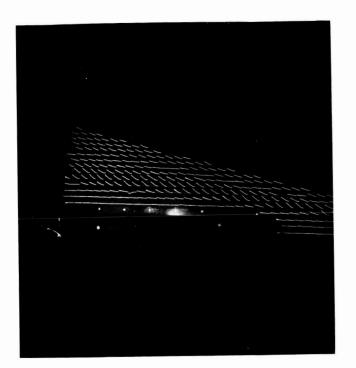






(e)  $\alpha = 6^{\circ}$ .

Figure D7.- Continued.



No data



(f)  $\alpha = 8^{\circ}$ .

Figure D7.- Continued.

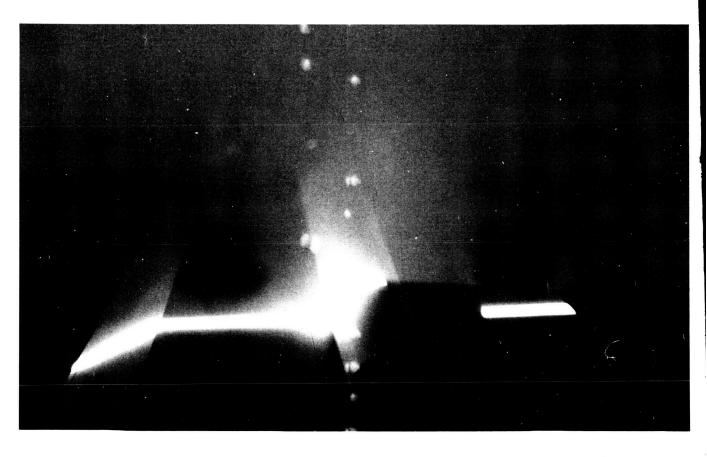


No data

No data

(g)  $\alpha = 10^{\circ}$ .

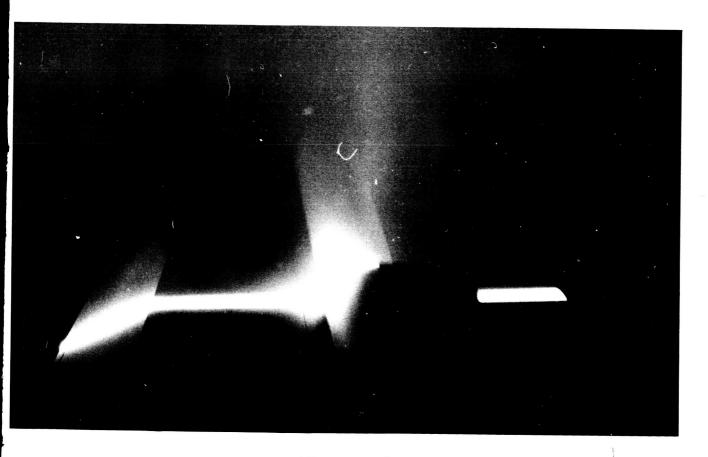
Figure D7.- Continued.



(h)  $\alpha = 12^{\circ}$ .

Figure D7.- Continued.

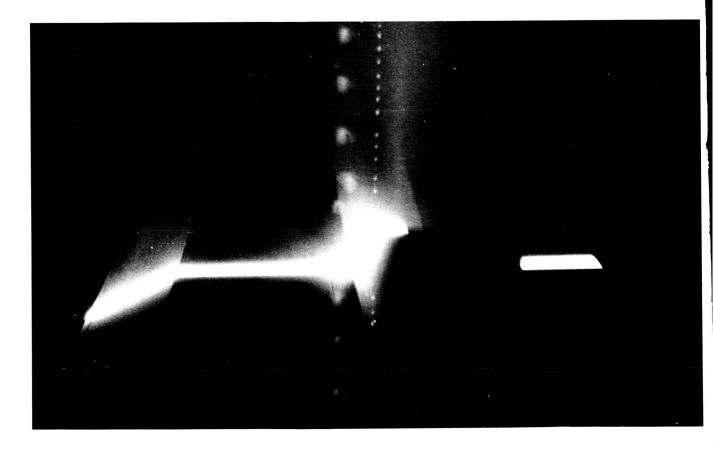
No data No data



(i)  $\alpha = 16^{\circ}$ .

Figure D7.- Continued.

No data No data



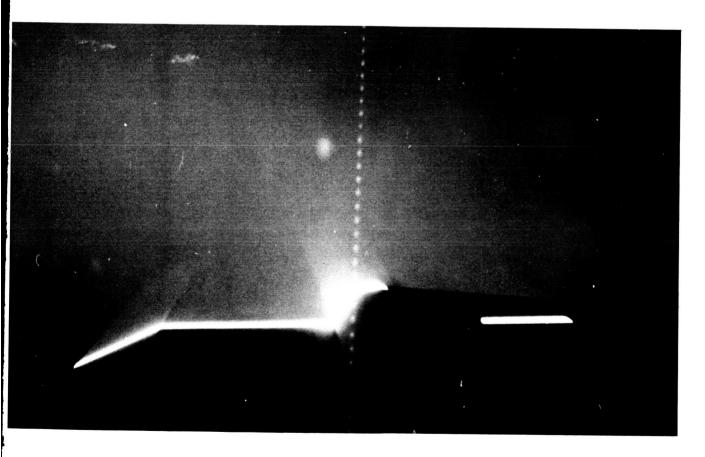
(j)  $\alpha = 20^{\circ}$ .

Figure D7.- Concluded.

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No data

No data



(a)  $\alpha = 0^{\circ}$ .

Figure D8.- Flow visualization data at  $\,\rm M$  = 2.40  $\,$  for 75° delta wing with  $\,\,\delta_{\rm F}$  = 5°.



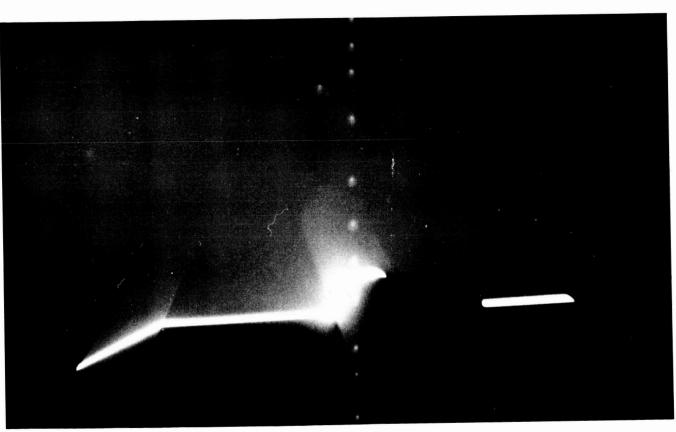
## OF POOR QUALITY

No data

(b)  $\alpha = 3^{\circ}$ .

Figure D8.- Continued.



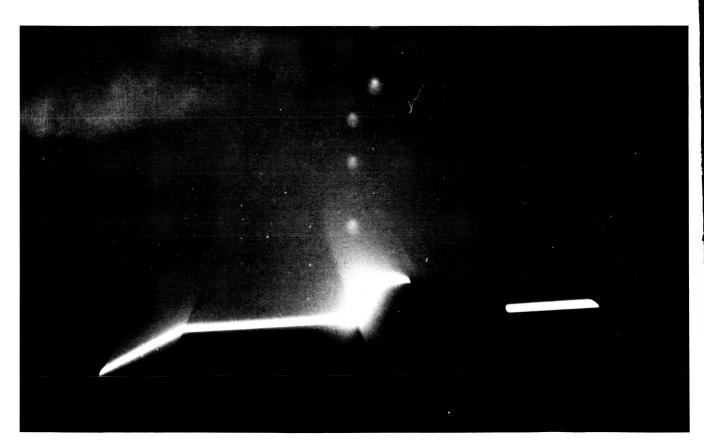


(c)  $\alpha = 4^{\circ}$ .

Figure D8.- Continued.



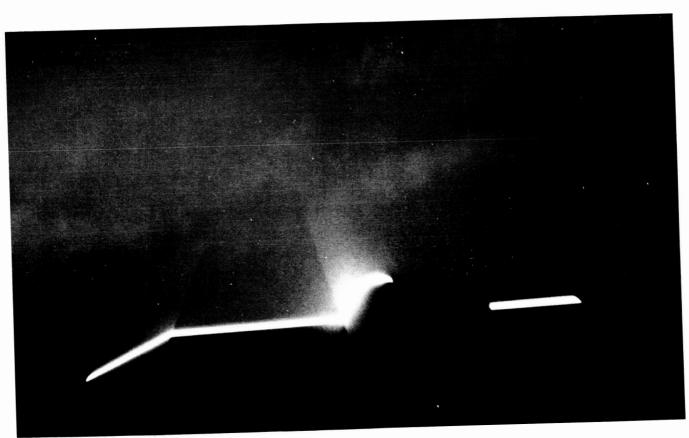
No data



(d)  $\alpha = 5^{\circ}$ .

Figure D8.- Continued.

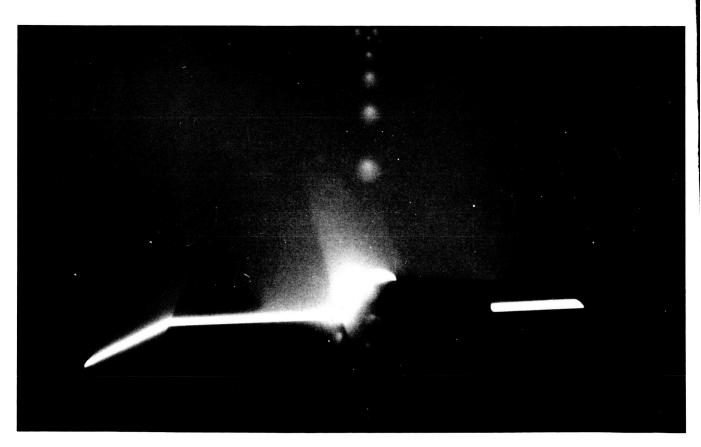




(e)  $\alpha = 6^{\circ}$ .

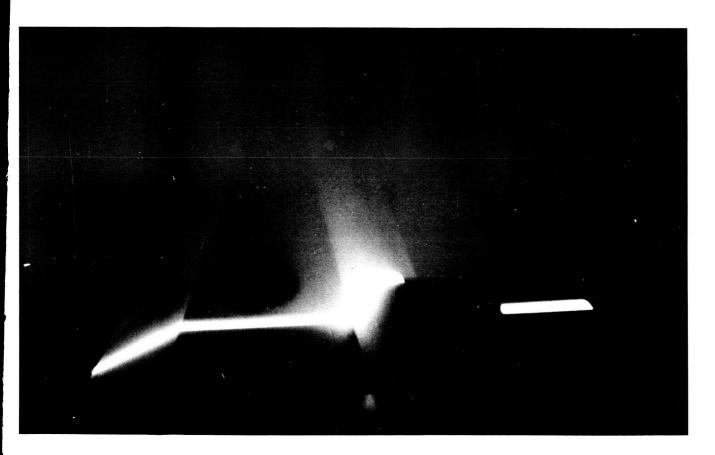
Figure D8.- Continued.





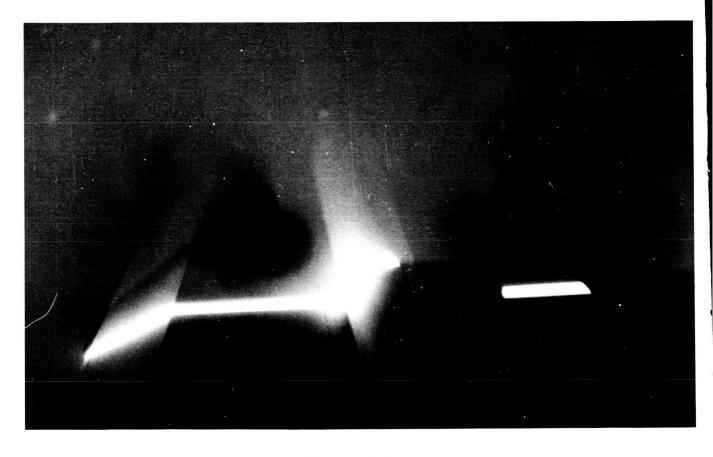
(f)  $\alpha = 8^{\circ}$ .

Figure D8.- Continued.



(g)  $\alpha = 12^{\circ}$ .

Figure D8.- Continued.

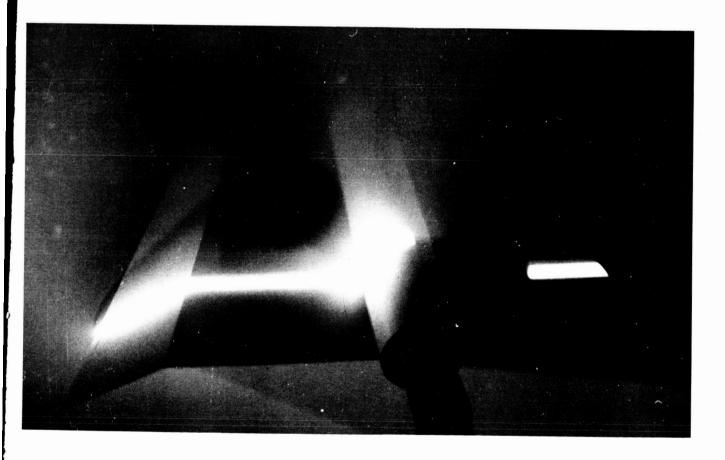


(h)  $\alpha = 16^{\circ}$ .

Figure D8.- Continued.

No data

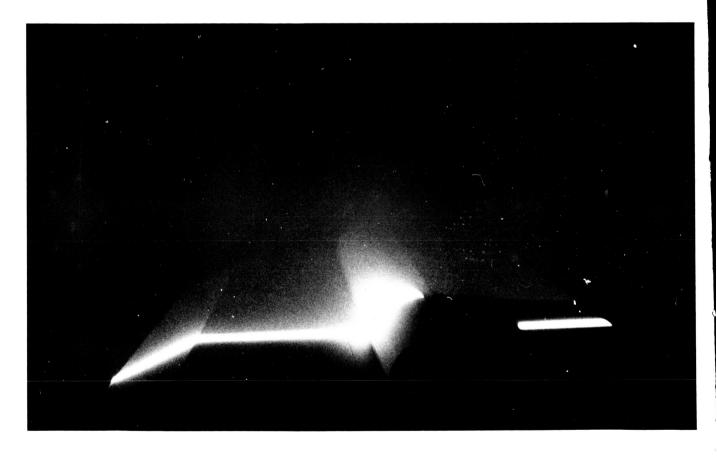
No data



(i)  $\alpha = 20^{\circ}$ .

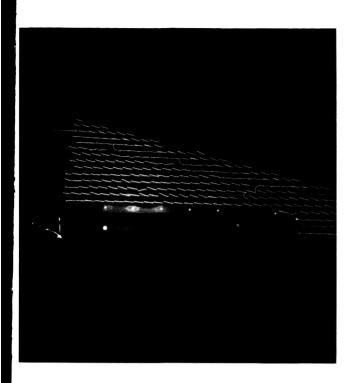
Figure D8.- Concluded.

No data



(a)  $\alpha = 0^{\circ}$ .

Figure D9.- Flow visualization data at  $\,\text{M}$  = 2.80  $\,$  for 75° delta wing with  $\,\delta_{\,F}$  = 5°.



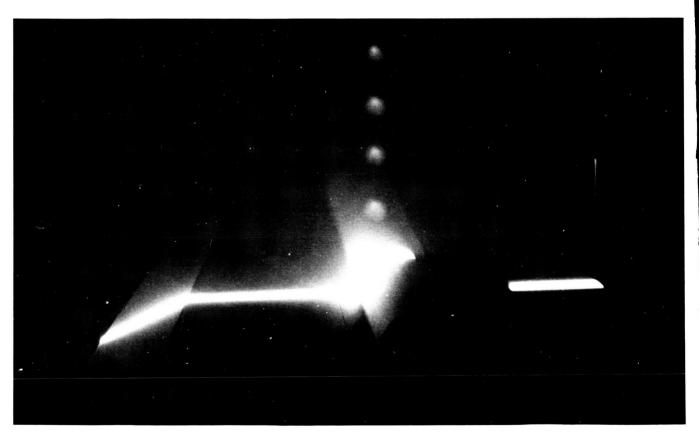
No data

No data

(b)  $\alpha = 3^{\circ}$ .

Figure D9.- Continued.

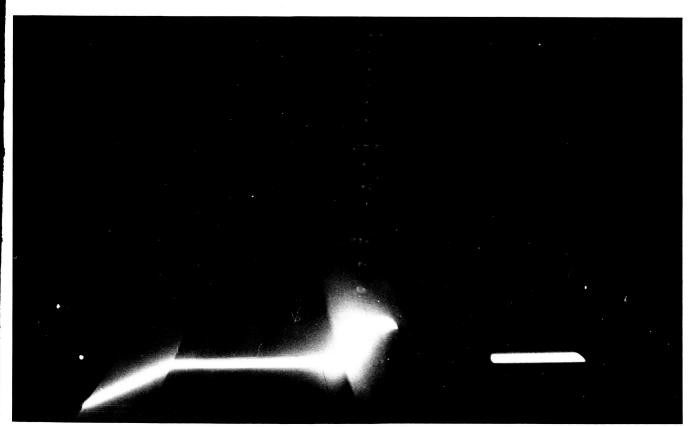




(c)  $\alpha = 4^{\circ}$ .

Figure D9.- Continued.

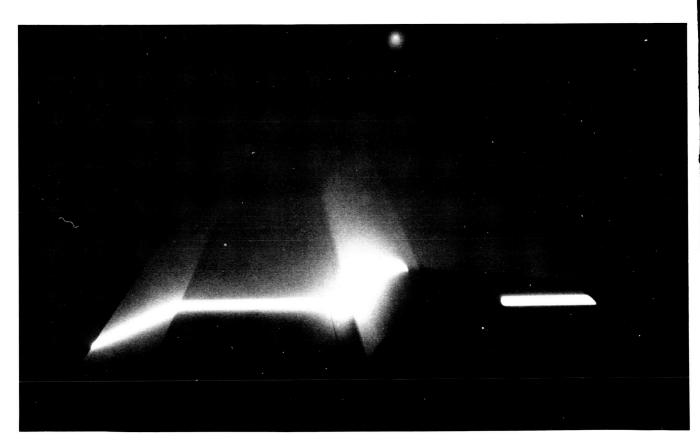




(d)  $\alpha = 5^{\circ}$ .

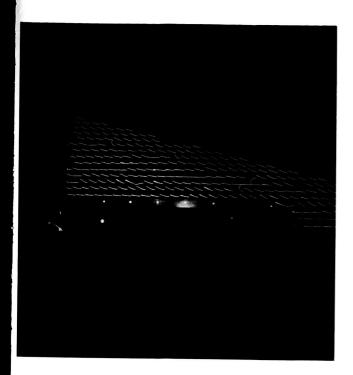
Figure D9.- Continued.





(e)  $\alpha = 6^{\circ}$ .

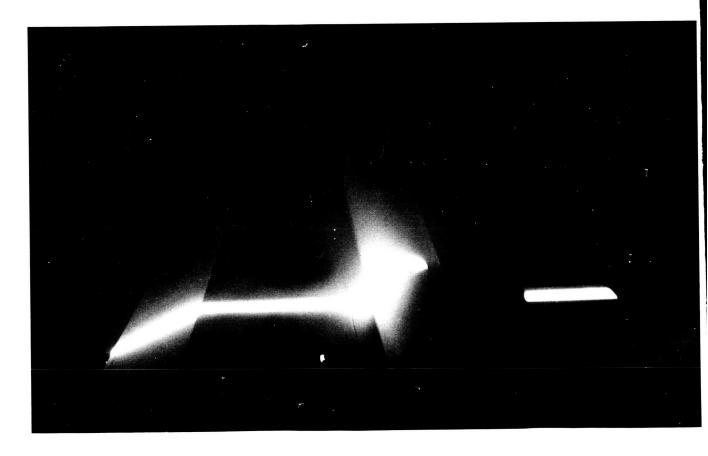
Figure D9.- Continued.





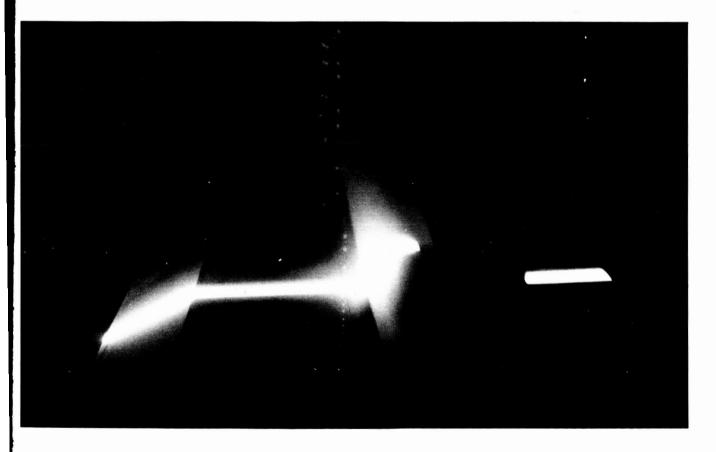
(f)  $\alpha = 8^{\circ}$ .

Figure D9.- Continued.



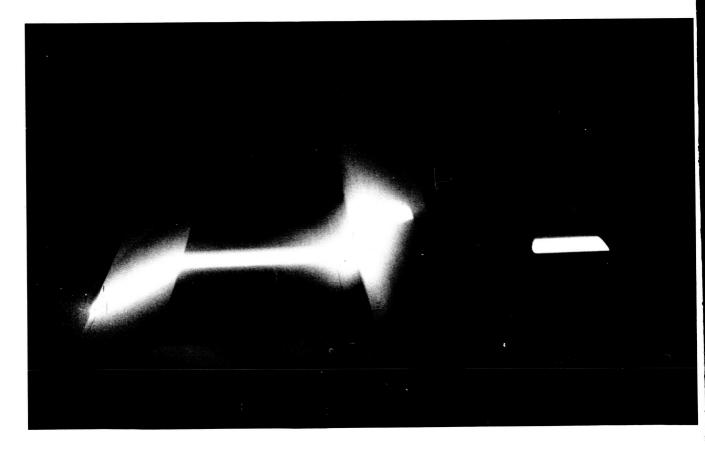
(g)  $\alpha = 12^{\circ}$ .

Figure D9.- Continued.



(h)  $\alpha = 16^{\circ}$ .

Figure D9. - Continued.



(i)  $\alpha = 20^{\circ}$ .

Figure D9.- Concluded.



No data

No data

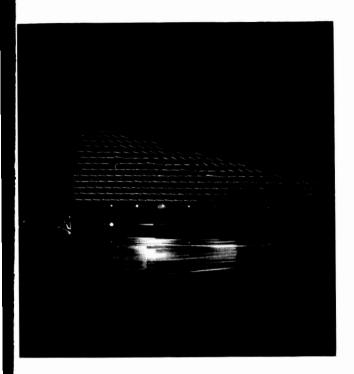
(a)  $\alpha = 0^{\circ}$ .

Figure D10.- Flow visualization data at  $\,M$  = 1.50  $\,$  for 75° delta wing with  $\,\delta_{\,F}$  = 5° with forebody.



(b) 
$$\alpha = 3^{\circ}$$
.

Figure Dl0.- Continued.



No data

No data

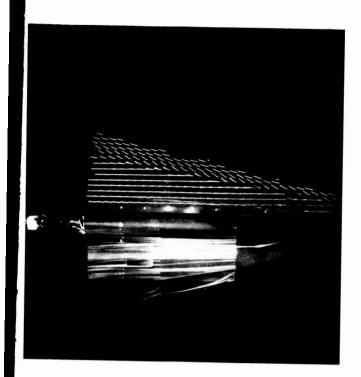
(c)  $\alpha = 4^{\circ}$ .

Figure D10. - Continued.



(d) 
$$\alpha = 5^{\circ}$$
.

Figure D10.- Continued.



No data

No data

(e)  $\alpha = 6^{\circ}$ .

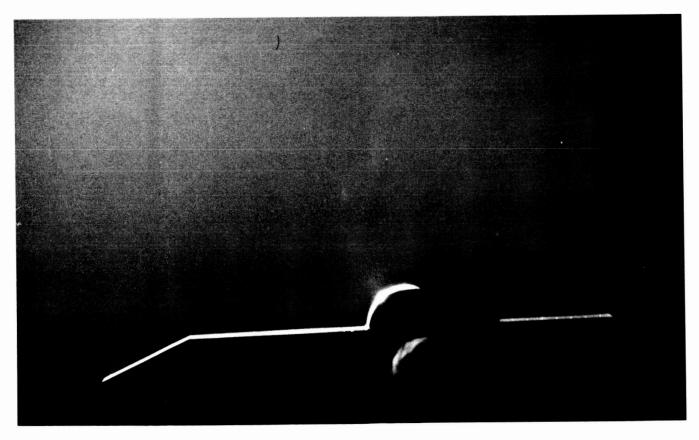
Figure D10.- Continued.



(f) 
$$\alpha = 8^{\circ}$$
.

Figure DlO.- Concluded.





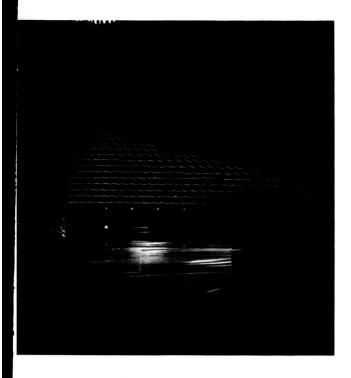
(a)  $\alpha = 0^{\circ}$ .

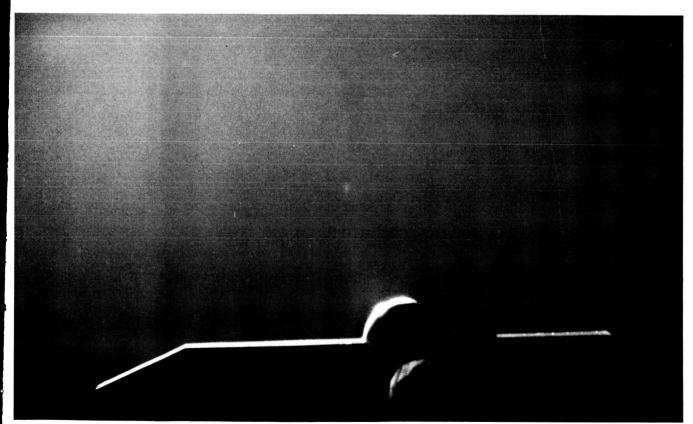
Figure D11.- Flow visualization data at  $\,$  M = 1.70  $\,$  for 75° delta wing with  $\,$   $\delta_F$  = 5°  $\,$  with forebody.



(b) 
$$\alpha = 3^{\circ}$$
.

Figure Dll.- Continued.

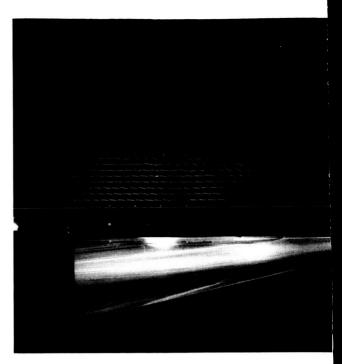


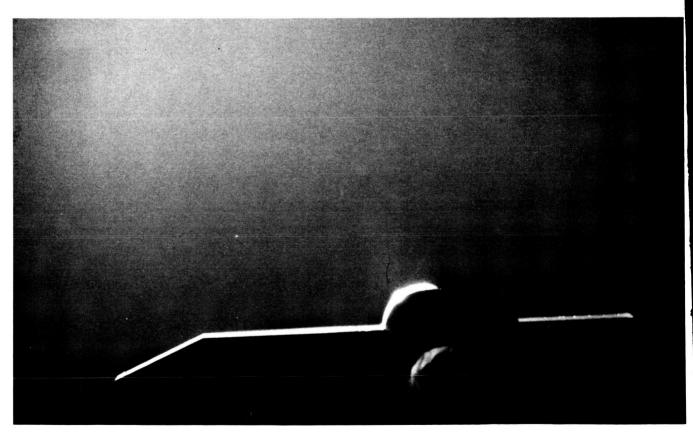


(c)  $\alpha = 4^{\circ}$ .

Figure Dll.- Continued.





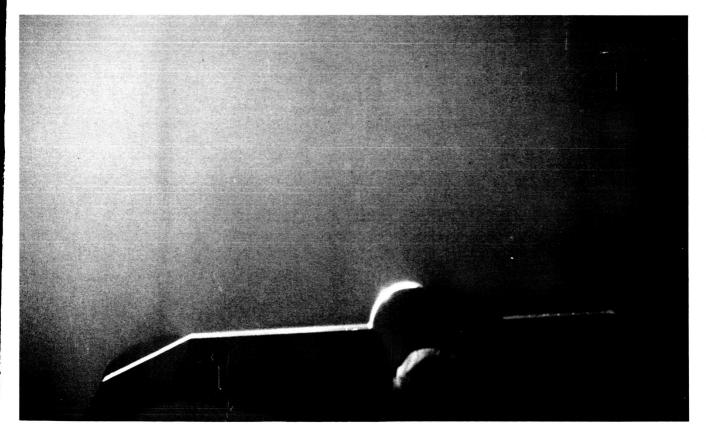


(d)  $\alpha = 5^{\circ}$ .

Figure Dll.- Continued.





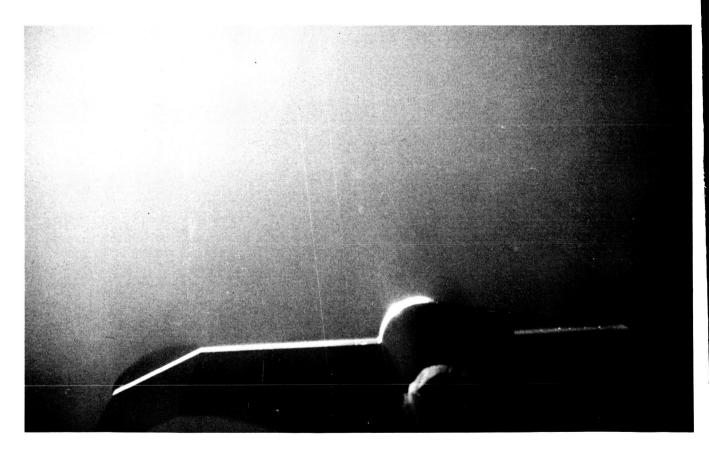


(e)  $\alpha = 6^{\circ}$ .

Figure Dll.- Continued.

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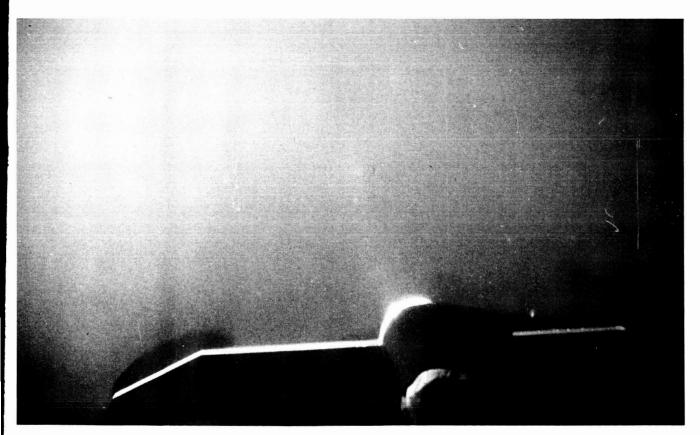


(f)  $\alpha = 7^{\circ}$ .

Figure Dll.- Continued.

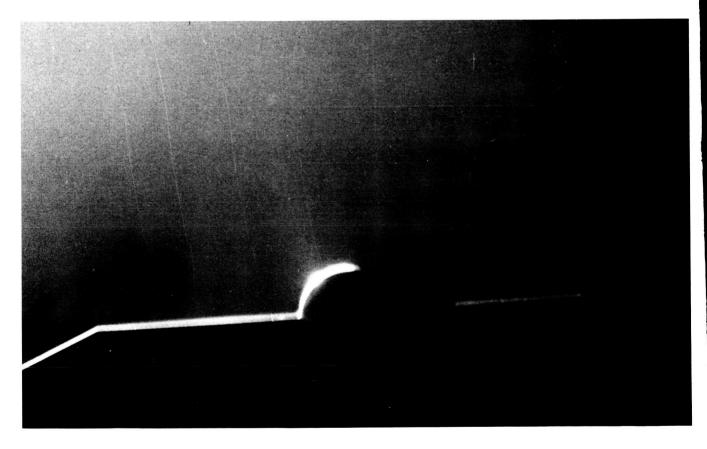






(g)  $\alpha = 8^{\circ}$ .

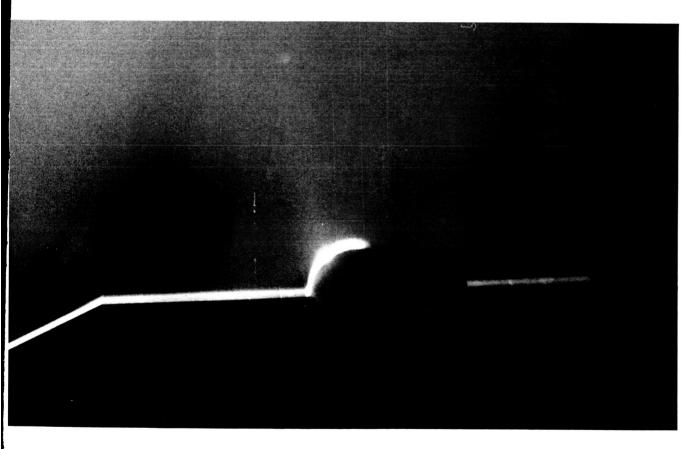
Figure Dll.- Continued.



(h)  $\alpha = 12^{\circ}$ .

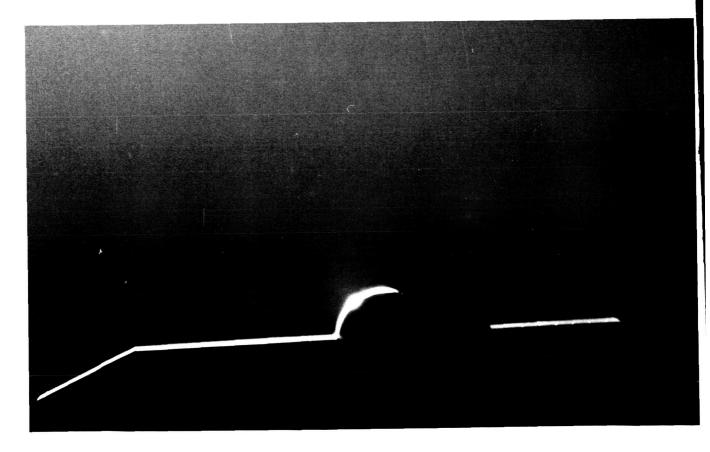
Figure Dll.- Continued.

No data No data



(i)  $\alpha = 16^{\circ}$ .

Figure Dll.- Concluded.



(a)  $\alpha = 0^{\circ}$ .

Figure D12.- Flow visualization data at  $\,$  M = 2.00  $\,$  for 75° delta wing with  $\,$   $\,$   $\!$   $\!$  by  $\!$  with forebody.



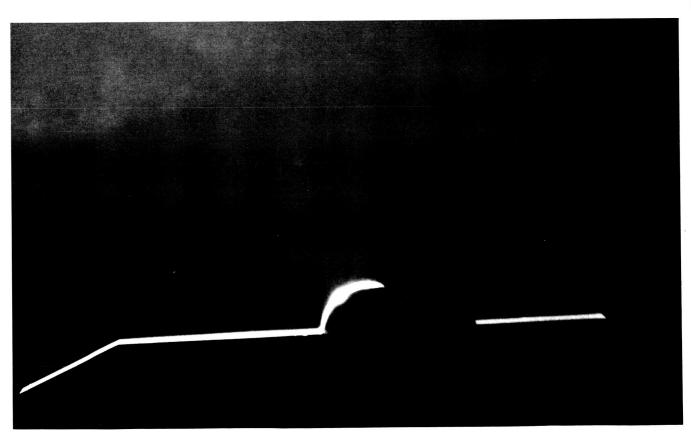
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(b)  $\alpha = 3^{\circ}$ .

Figure Dl2.- Continued.



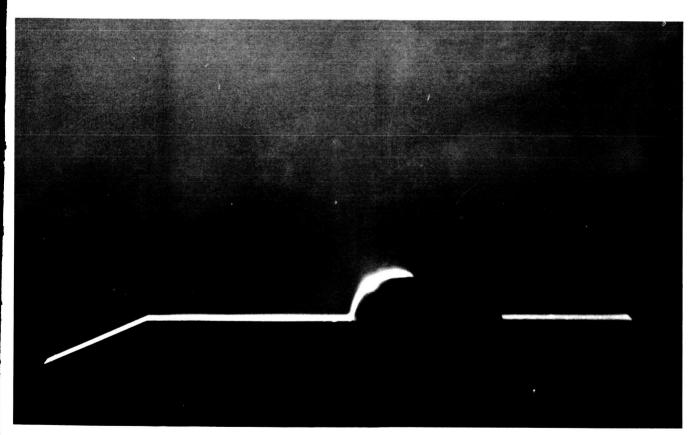


(c)  $\alpha = 4^{\circ}$ .

Figure Dl2.- Continued.



No data

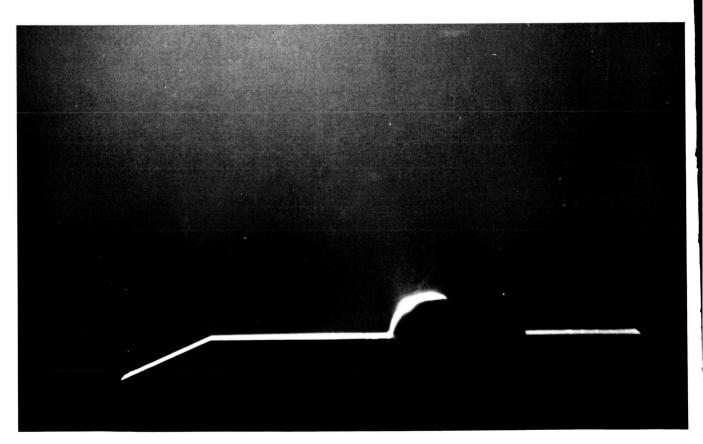


(d)  $\alpha = 5^{\circ}$ .

Figure D12.- Continued.



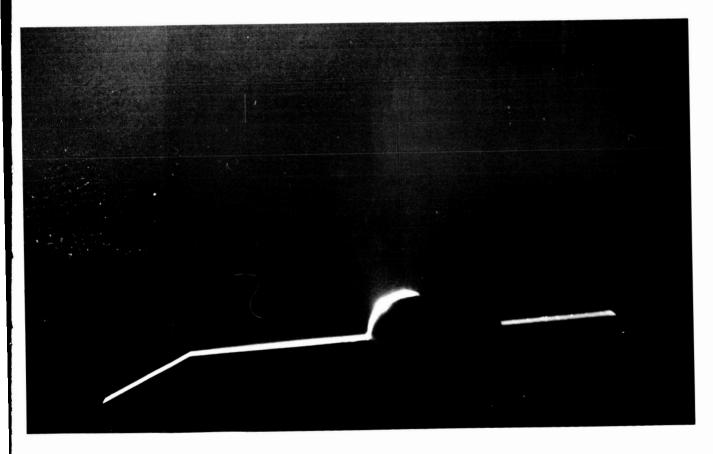
No data



(e)  $\alpha = 6^{\circ}$ .

Figure D12.- Continued.

No data No data

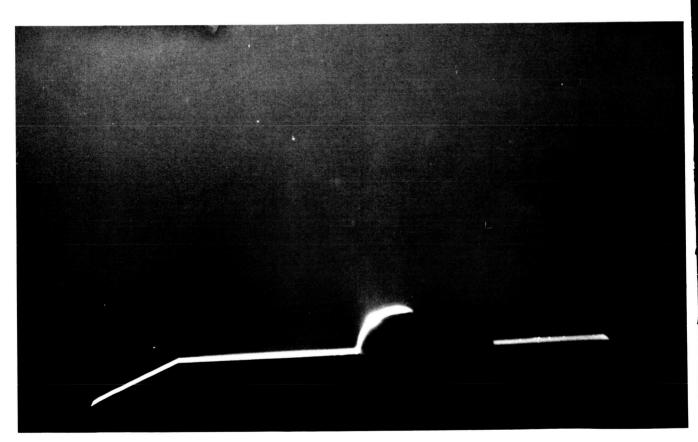


(f)  $\alpha = 7^{\circ}$ .

Figure D12.- Continued.



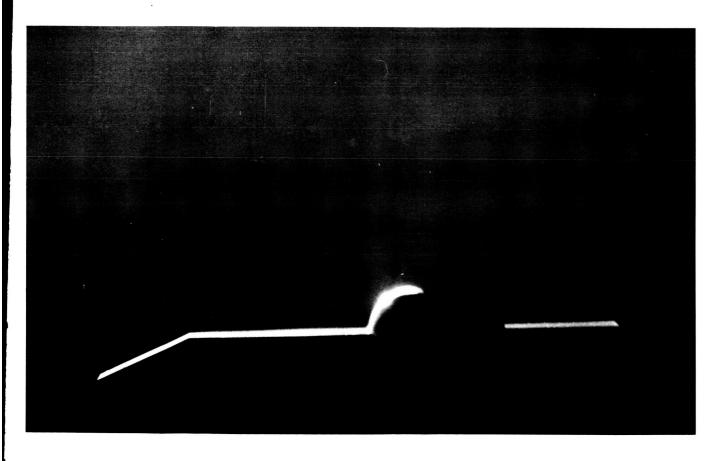
No data



(g)  $\alpha = 8^{\circ}$ .

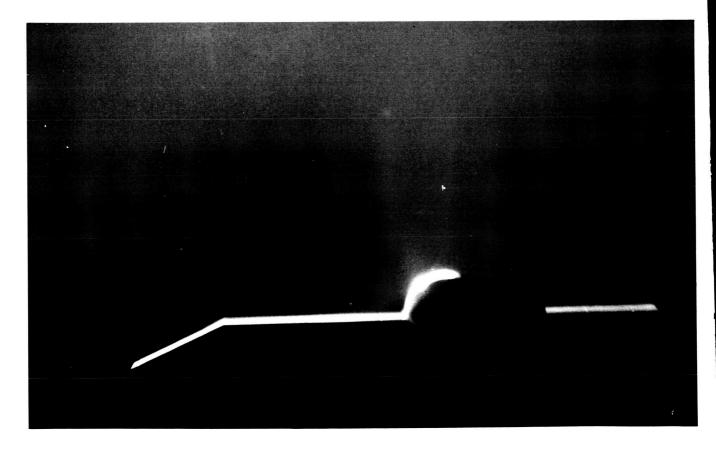
Figure D12.- Continued.

No data No data



(h)  $\alpha = 12^{\circ}$ .

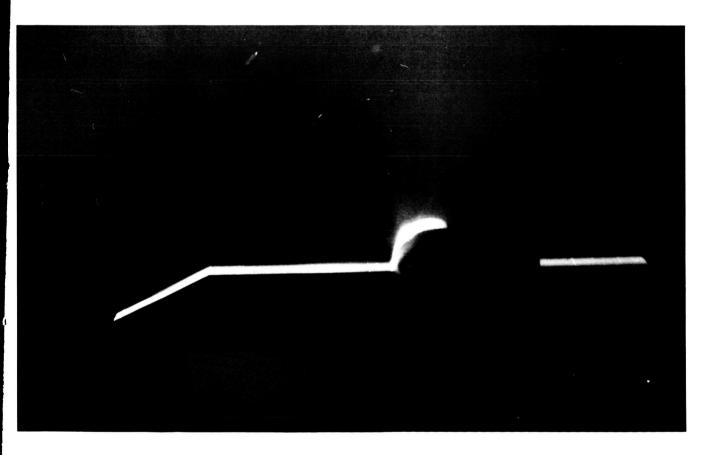
Figure Dl2.- Continued.



(i)  $\alpha = 16^{\circ}$ .

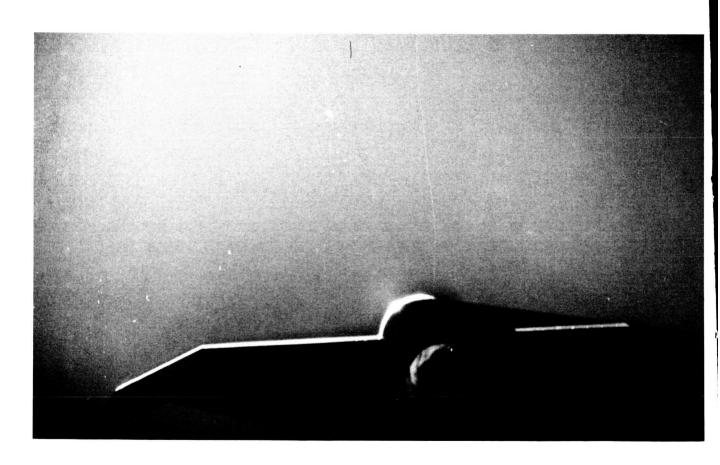
Figure Dl2.- Continued.

No data



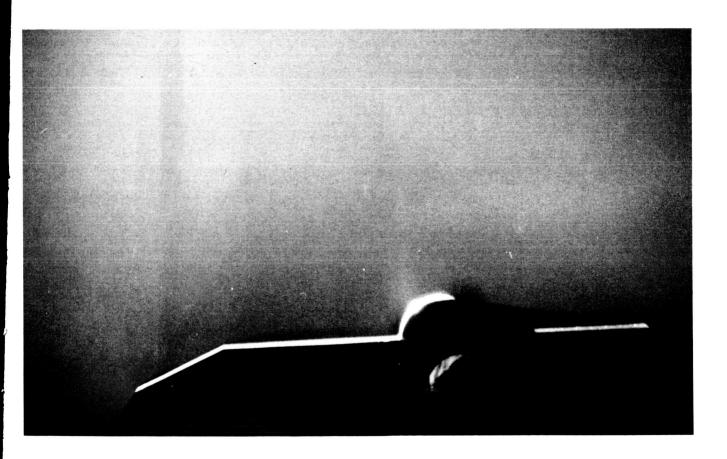
(j)  $\alpha = 20^{\circ}$ .

Figure D12.- Concluded.



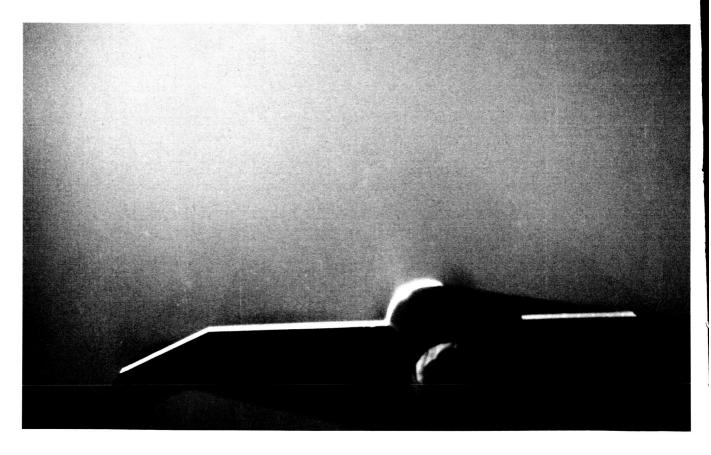
(a)  $\alpha = 0^{\circ}$ .

Figure D13.- Flow visualization data at  $\,$  M = 2.40  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 5°  $\,$  with forebody.



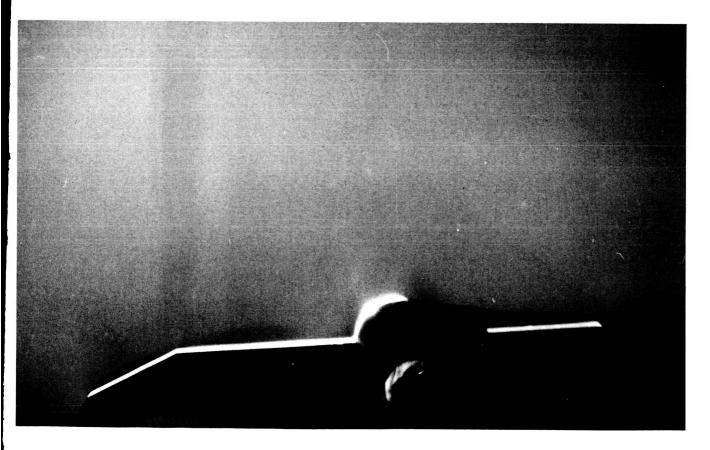
(b)  $\alpha = 4^{\circ}$ .

Figure D13.- Continued.



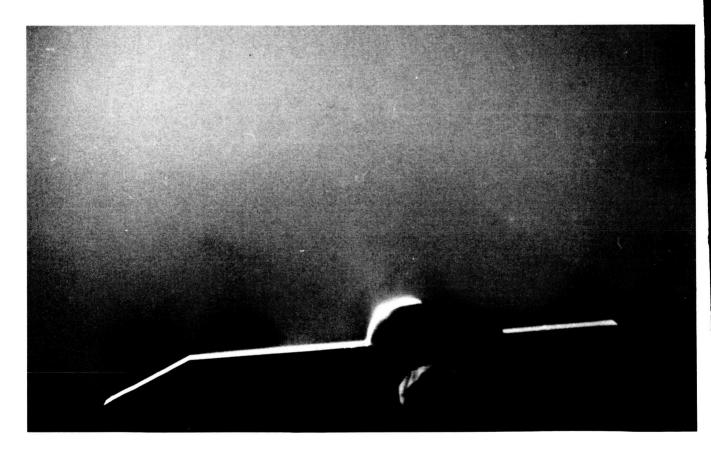
(c)  $\alpha = 5^{\circ}$ .

Figure Dl3.- Continued.



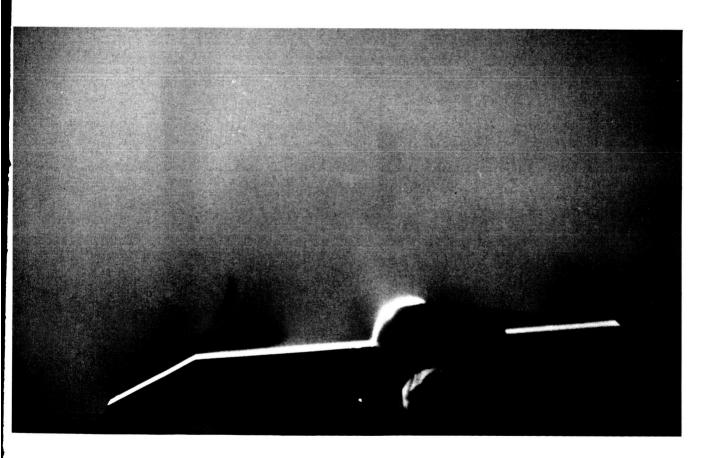
(d)  $\alpha = 6^{\circ}$ .

Figure Dl3.- Continued.



(e)  $\alpha = 7^{\circ}$ .

Figure Dl3.- Continued.



(f)  $\alpha = 8^{\circ}$ .

Figure D13.- Continued.



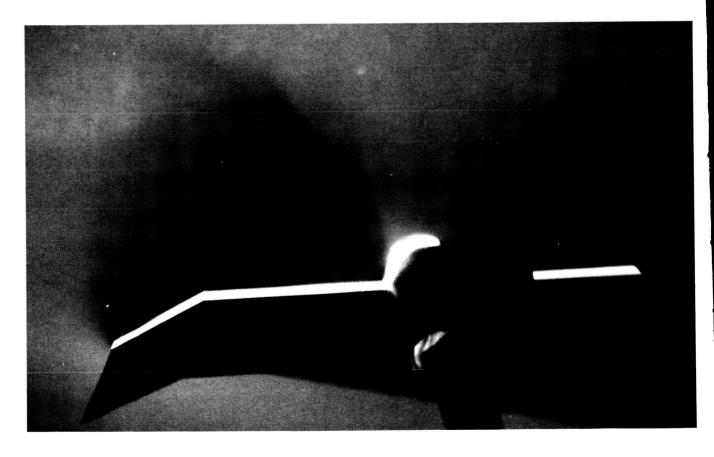
(g)  $\alpha = 12^{\circ}$ .

Figure Dl3.- Continued.



(h)  $\alpha = 16^{\circ}$ .

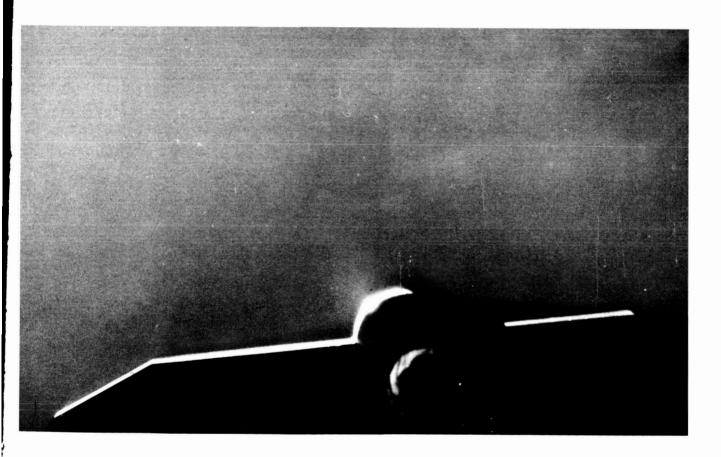
Figure Dl3.- Continued.



(i)  $\alpha = 20^{\circ}$ .

Figure D13.- Concluded.

No data

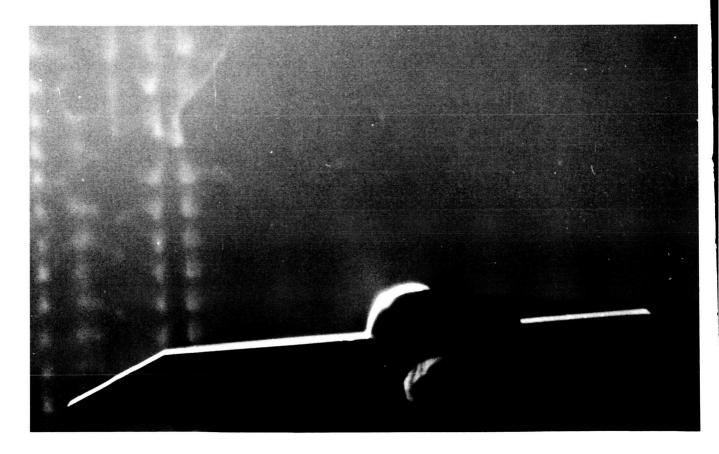


(a)  $\alpha = 0^{\circ}$ .

Figure D14.- Flow visualization data at  $\,$  M = 2.80  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 5°  $\,$  with forebody.

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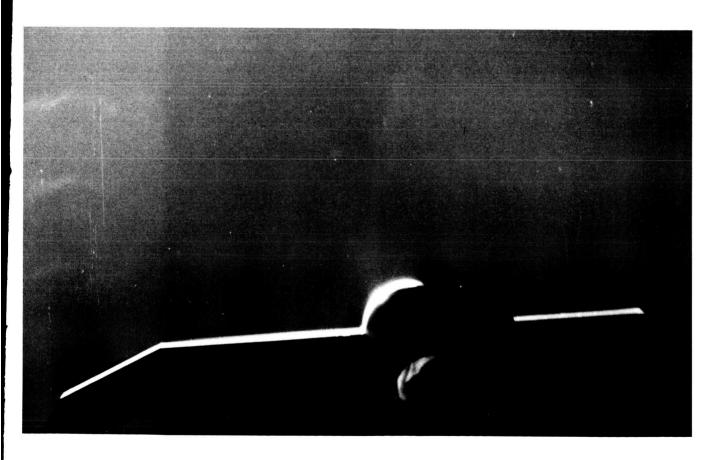
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(b)  $\alpha = 4^{\circ}$ .

Figure D14.- Continued.

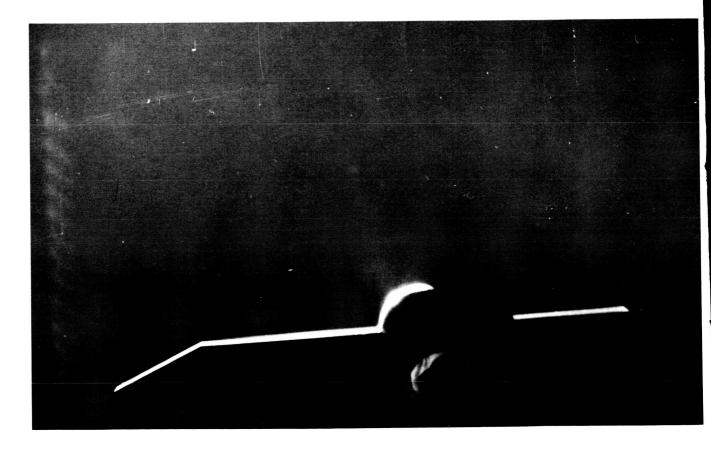
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(c)  $\alpha = 5^{\circ}$ .

Figure D14.- Continued.

C- 4



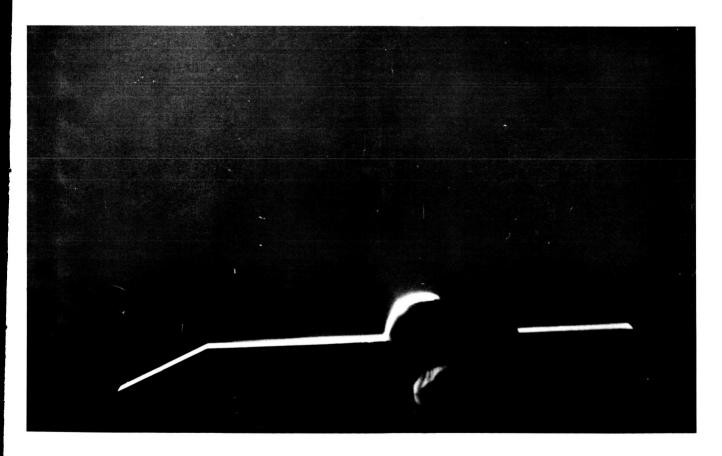
(d)  $\alpha = 6^{\circ}$ .

Figure D14.- Continued.

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(e)  $\alpha = 7^{\circ}$ .

Figure D14.- Continued.

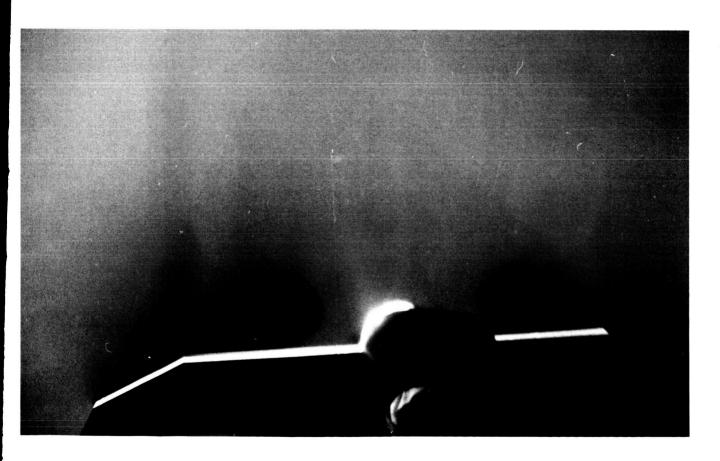


(f)  $\alpha = 8^{\circ}$ .

Figure D14.- Continued.

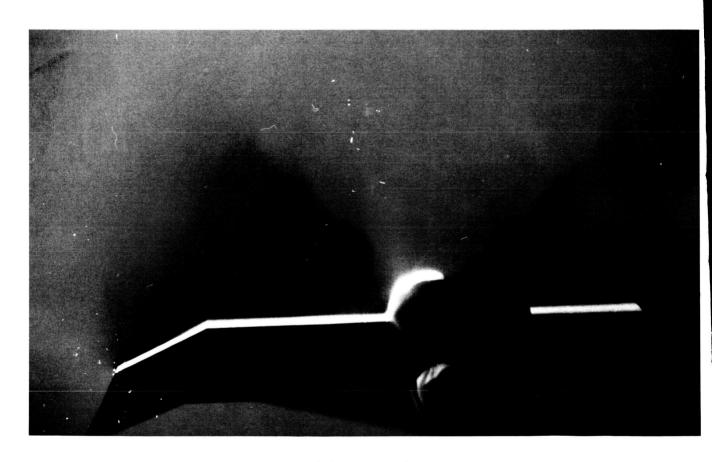
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(g)  $\alpha = 12^{\circ}$ .

Figure D14.- Continued.

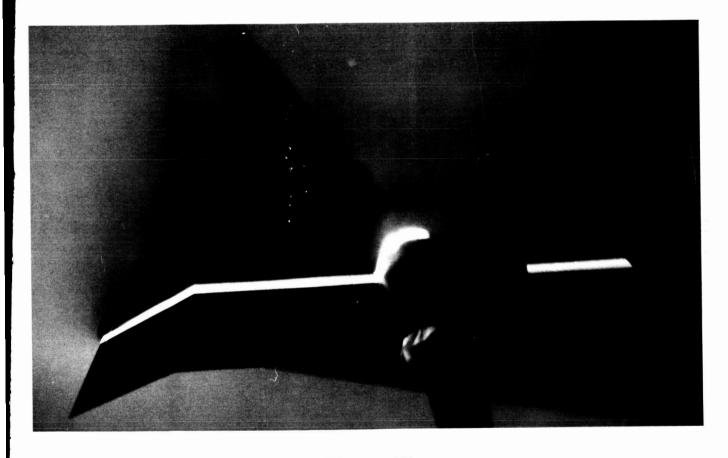


(h)  $\alpha = 16^{\circ}$ .

Figure D14.- Continued.

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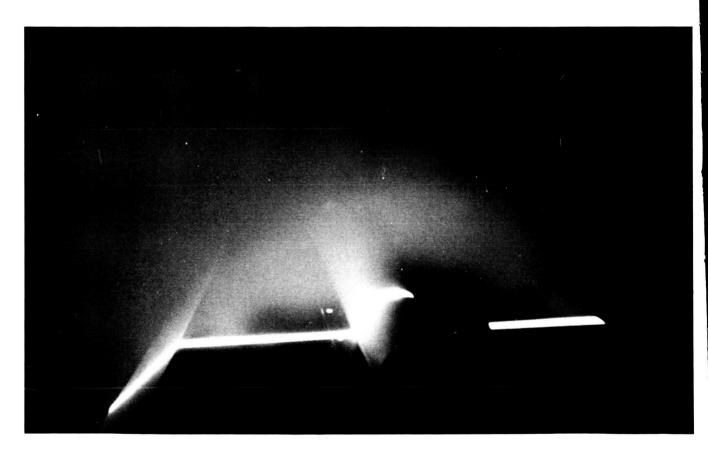
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(i)  $\alpha = 20^{\circ}$ .

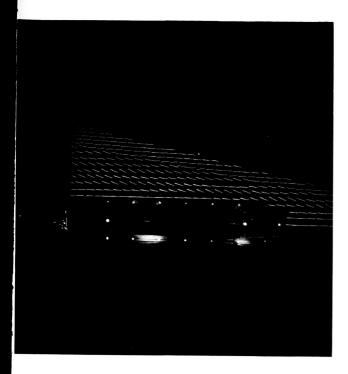
Figure D14.- Concluded.



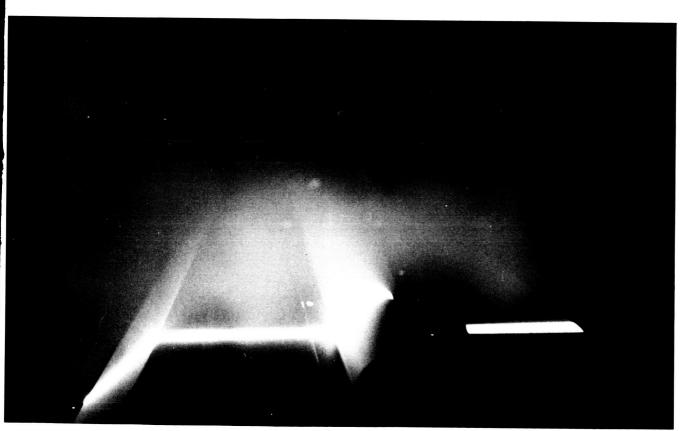


(a)  $\alpha = 0^{\circ}$ .

Figure D15.- Flow visualization data at  $\,$  M = 1.50  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{F}$  = 10°.



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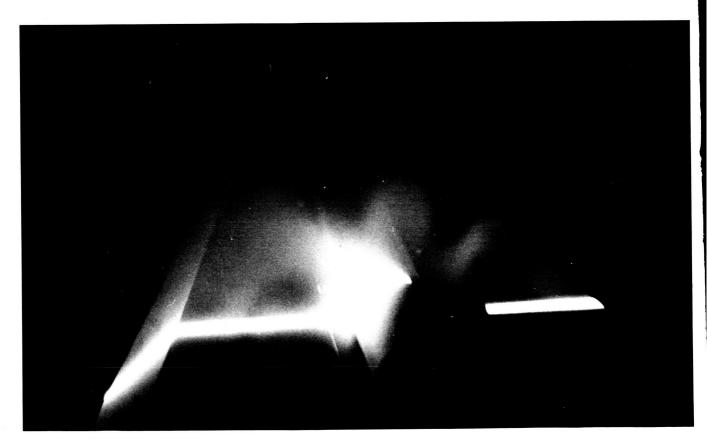


(b)  $\alpha = 4^{\circ}$ .

Figure D15.- Continued.



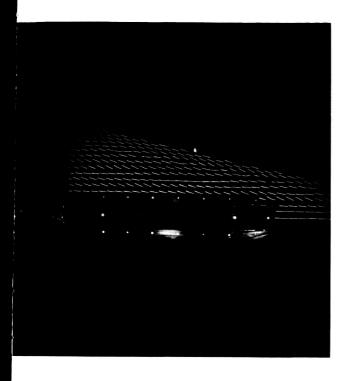
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(c)  $\alpha = 6^{\circ}$ .

Figure D15.- Continued.

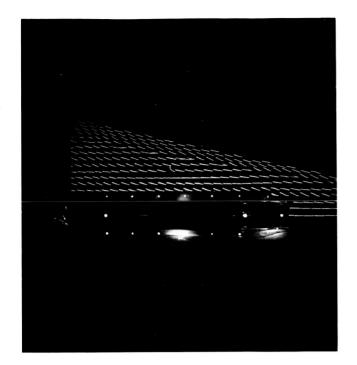
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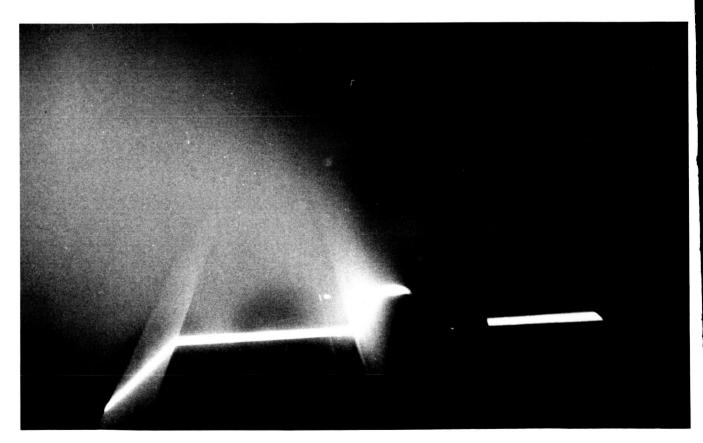


(d)  $\alpha = 7^{\circ}$ .

Figure D15.- Continued.



No data



(e)  $\alpha = 8^{\circ}$ .

Figure D15.- Continued.



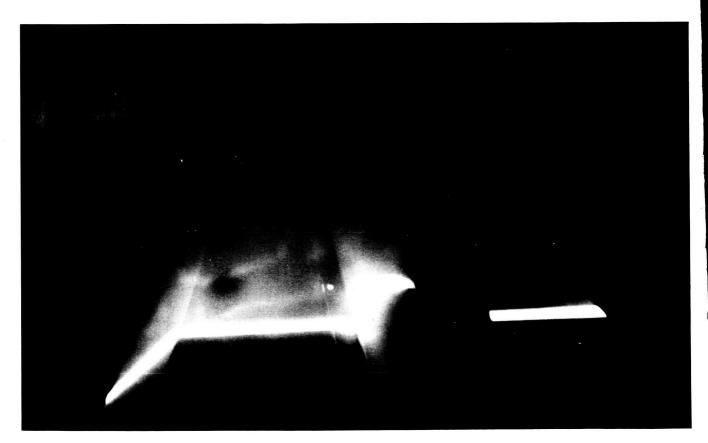
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(f) 
$$\alpha = 9^{\circ}$$
.

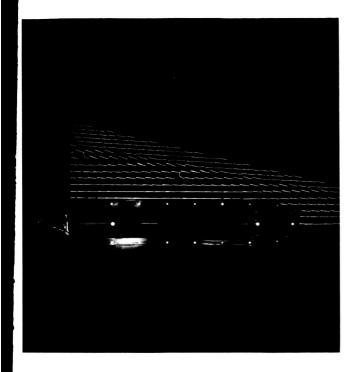
Figure D15.- Continued.



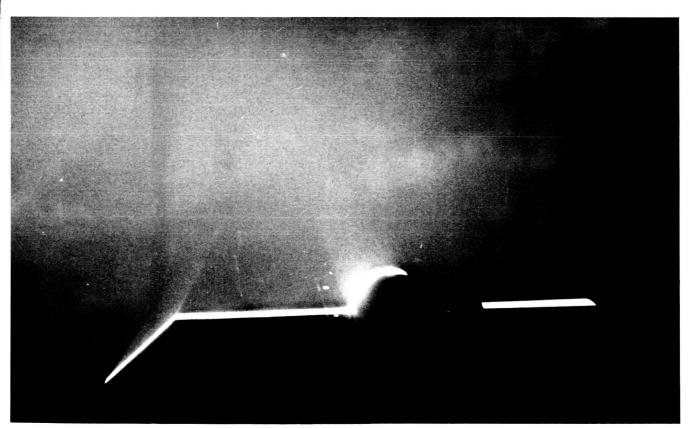


(g)  $\alpha = 10^{\circ}$ .

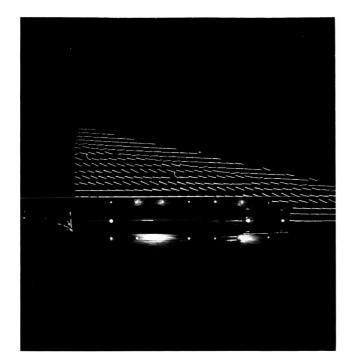
Figure D15.- Concluded.



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(a)  $\alpha = 0^{\circ}$ .



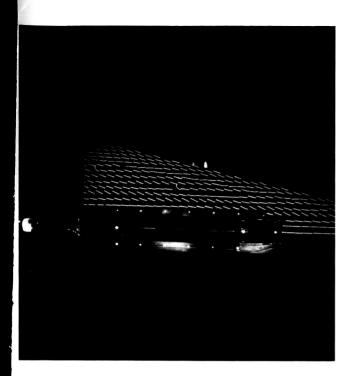
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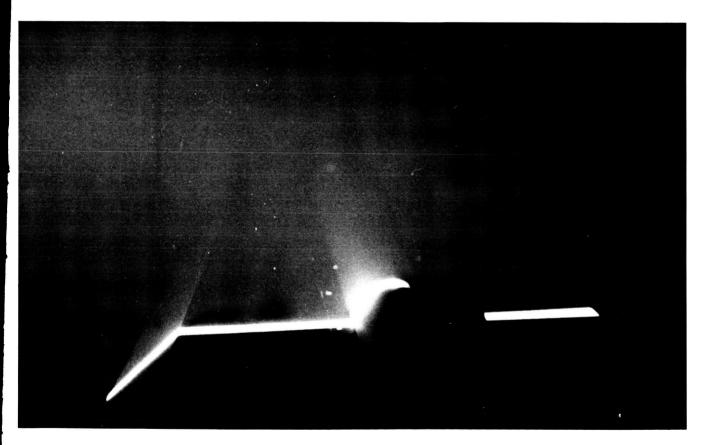


(b)  $\alpha = 4^{\circ}$ .

Figure D16.- Continued.

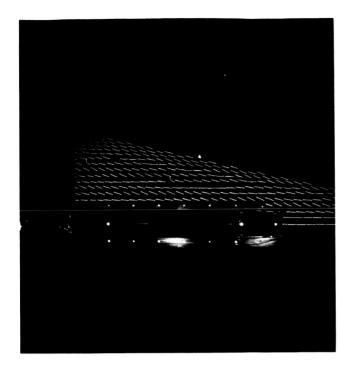
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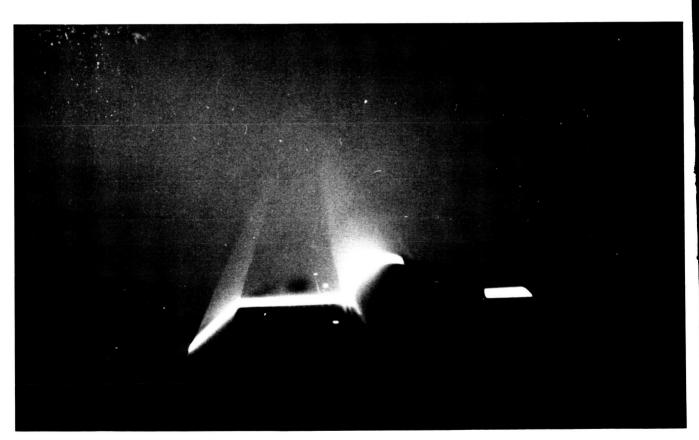


(c)  $\alpha = 6^{\circ}$ .

Figure D16.- Continued.



No data

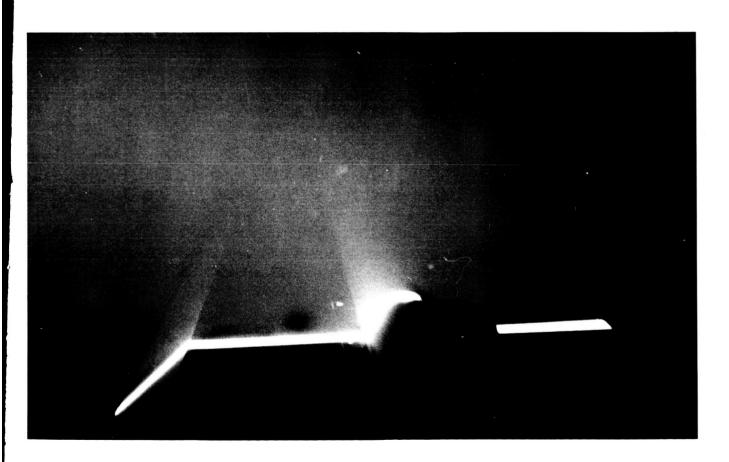


(d)  $\alpha = 7^{\circ}$ .

Figure D16.- Continued.



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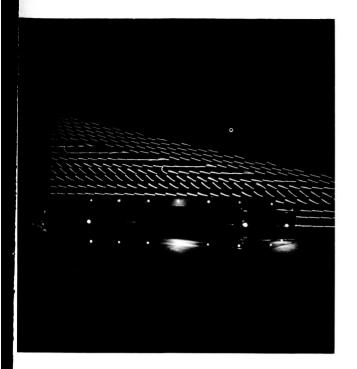
(e)  $\alpha = 8^{\circ}$ .

Figure D16.- Continued.

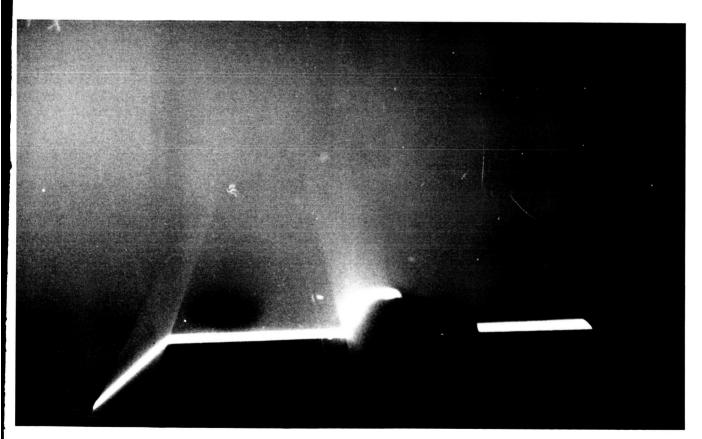


(f) 
$$\alpha = 9^{\circ}$$
.

Figure D16.- Continued.

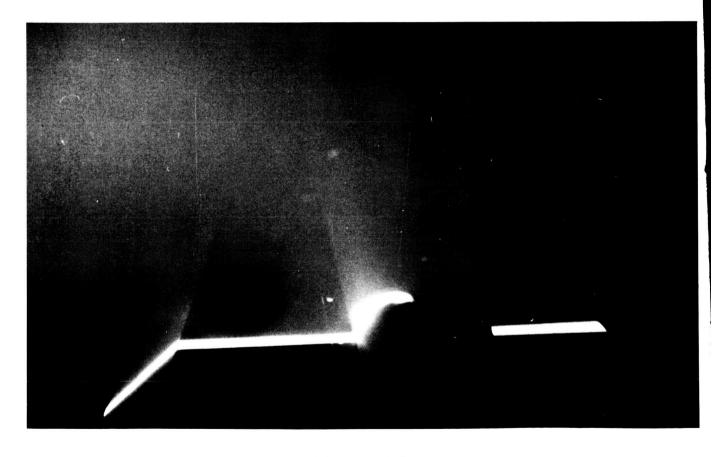


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(g)  $\alpha = 10^{\circ}$ .

Figure D16. - Continued.

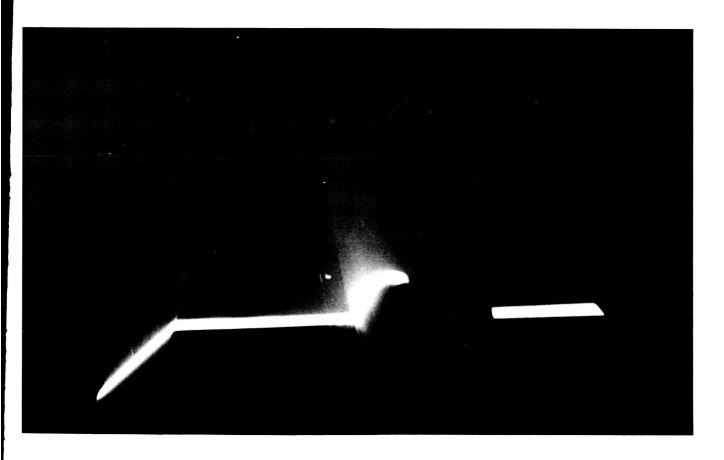


(h)  $\alpha = 12^{\circ}$ .

Figure D16.- Continued.

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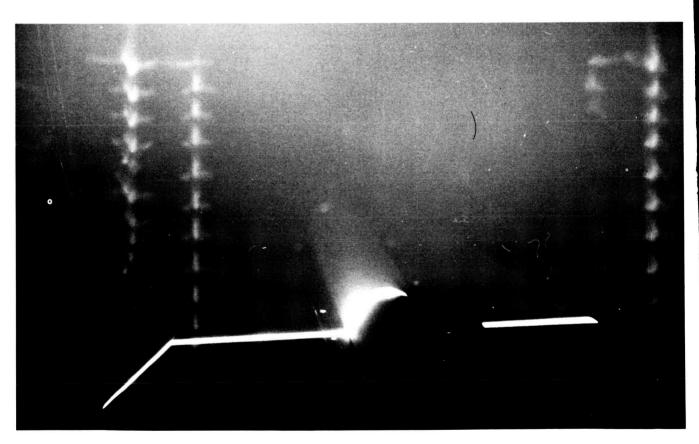


(i)  $\alpha = 16^{\circ}$ .

Figure D16.- Concluded.



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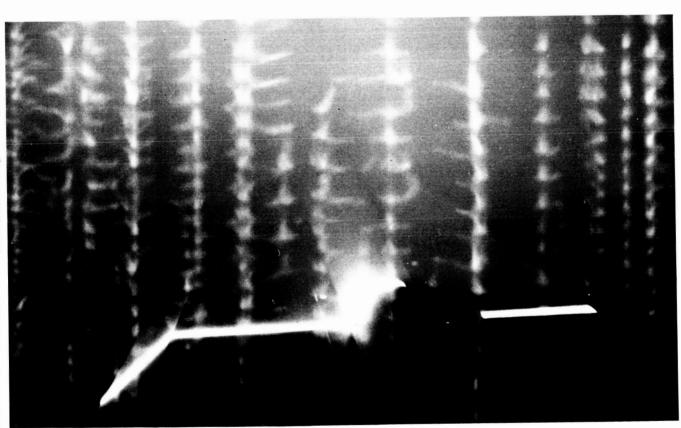


(a)  $\alpha = 0^{\circ}$ .

Figure D17.- Flow visualization data at  $\,\rm M=2.00\,$  for 75° delta wing with  $\,\delta_{\rm F}$  = 10°.



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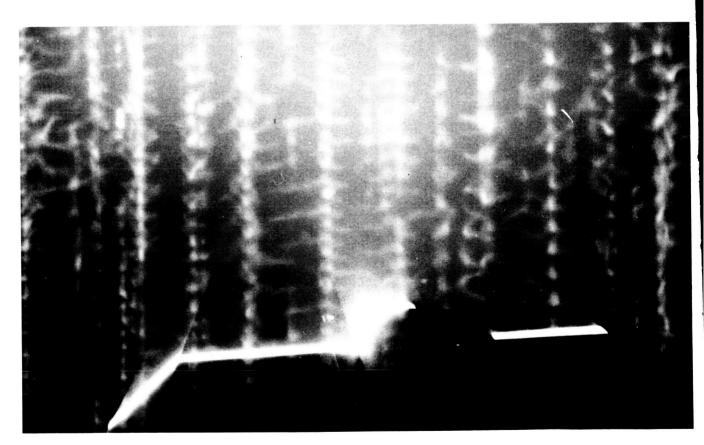


(b)  $\alpha = 4^{\circ}$ .

Figure D17.- Continued.



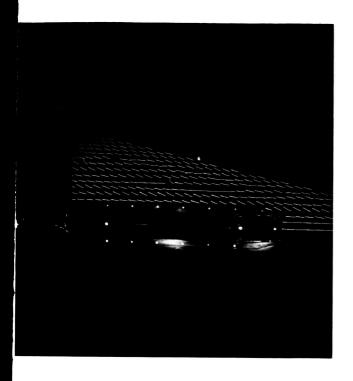
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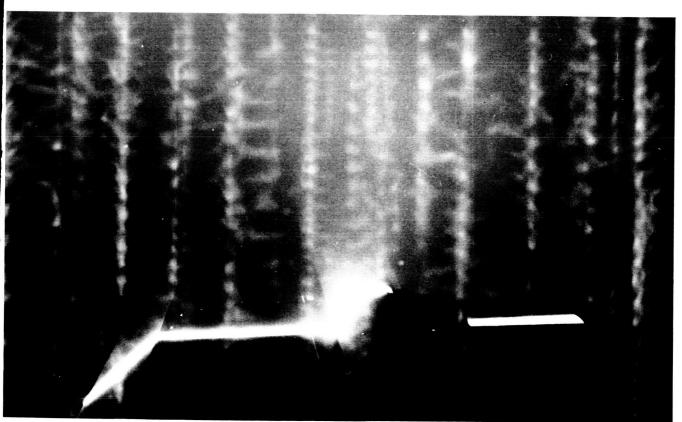


(c)  $\alpha = 6^{\circ}$ .

Figure D17.- Continued.

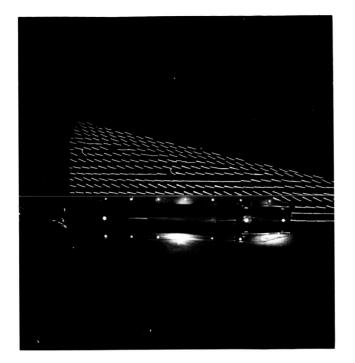


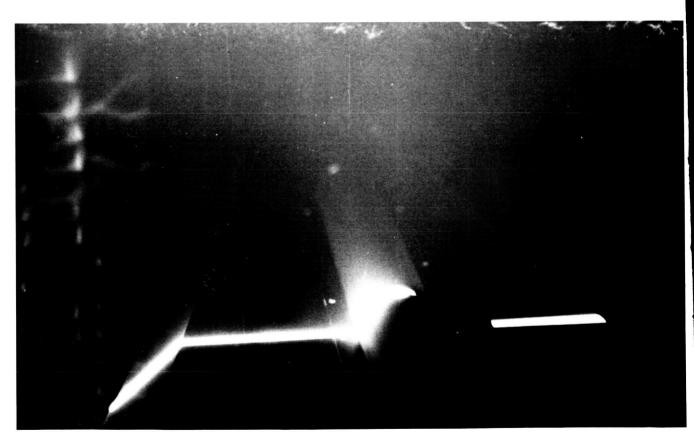




(d)  $\alpha = 7^{\circ}$ .

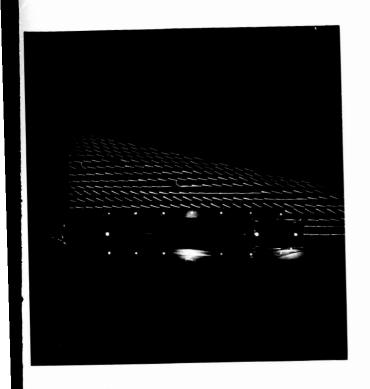
Figure D17.- Continued.





(e)  $\alpha = 8^{\circ}$ .

Figure D17.- Continued.



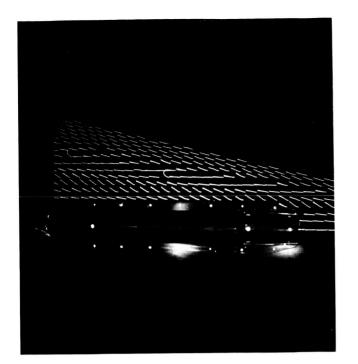
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No data

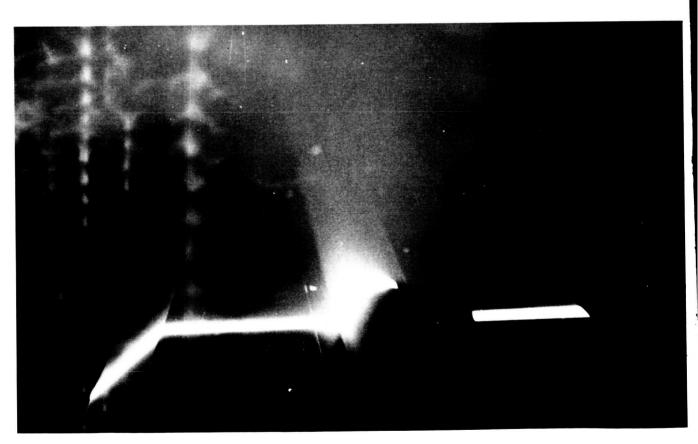
No data

(f)  $\alpha = 9^{\circ}$ .

Figure D17.- Continued.

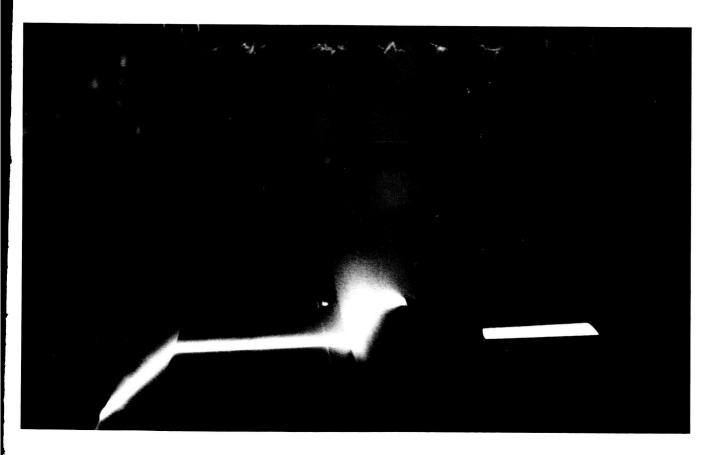


No data



(g)  $\alpha = 10^{\circ}$ .

Figure D17.- Continued.



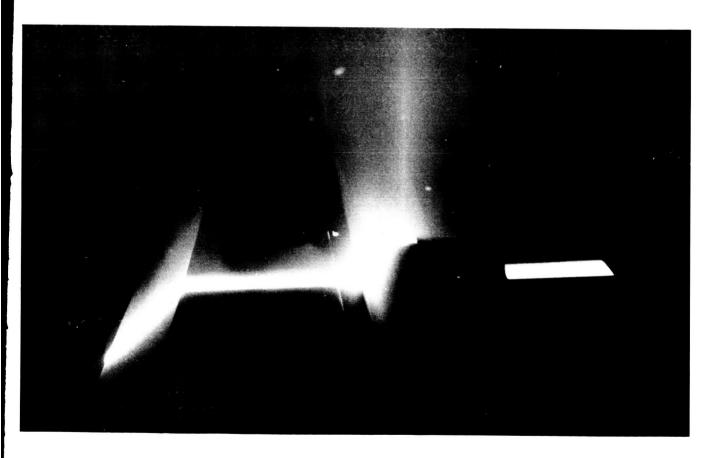
(h)  $\alpha = 12^{\circ}$ .

Figure D17.- Continued.



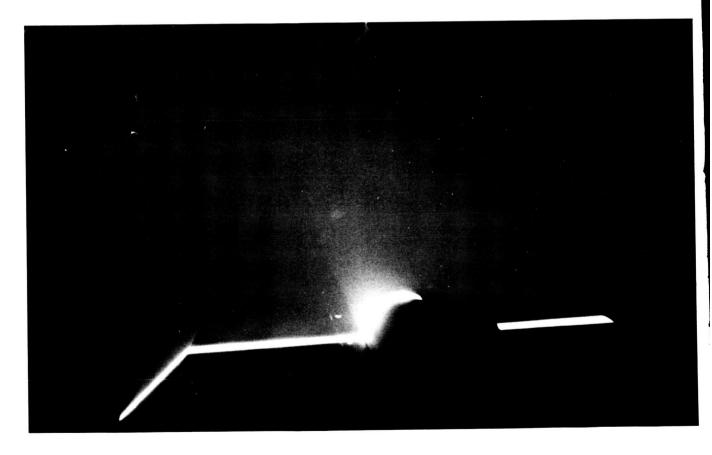
(i)  $\alpha = 16^{\circ}$ .

Figure D17.- Continued.



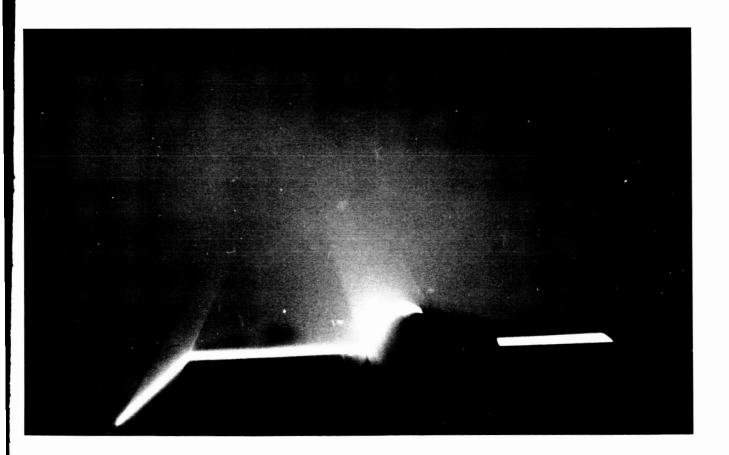
(j)  $\alpha = 20^{\circ}$ .

Figure D17.- Concluded.



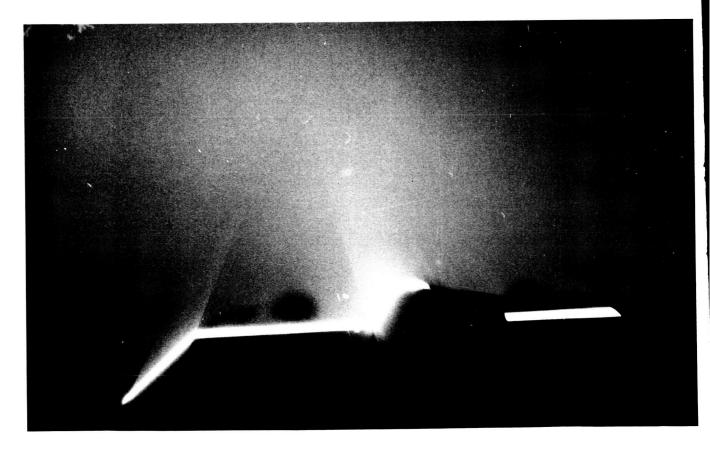
(a)  $\alpha = 0^{\circ}$ .

Figure D18.- Flow visualization data at  $\,$  M = 2.40  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 10°.



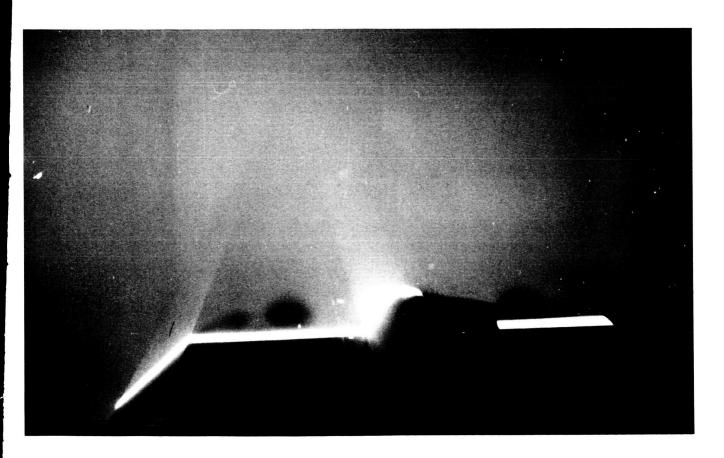
(b)  $\alpha = 4^{\circ}$ .

Figure D18.- Continued.



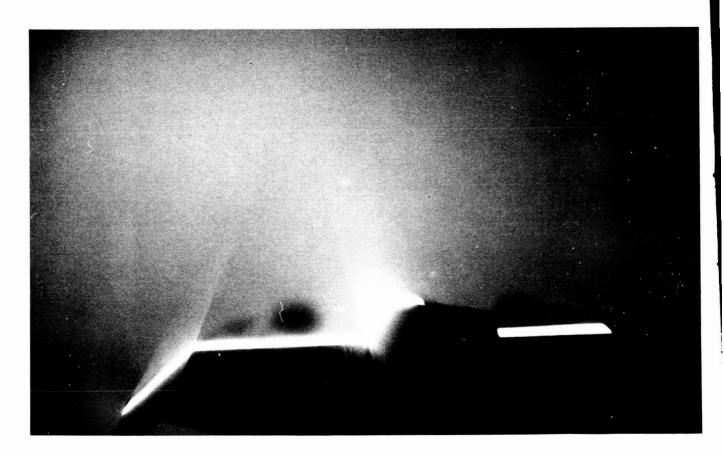
(c)  $\alpha = 6^{\circ}$ .

Figure D18.- Continued.



(d)  $\alpha = 7^{\circ}$ .

Figure D18.- Continued.

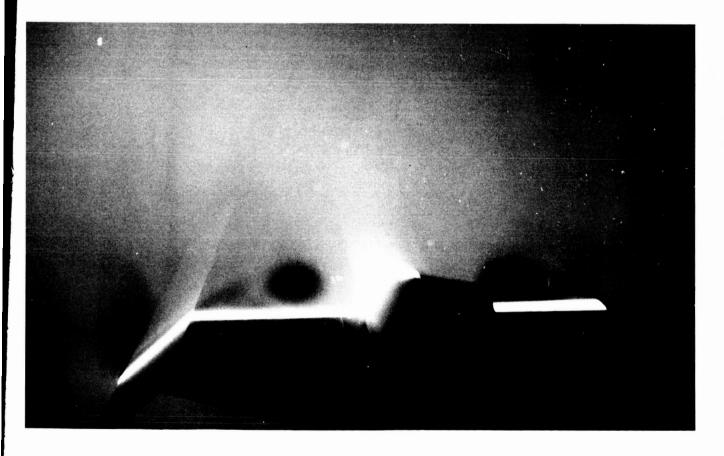


(e)  $\alpha = 8^{\circ}$ .

Figure D18.- Continued.

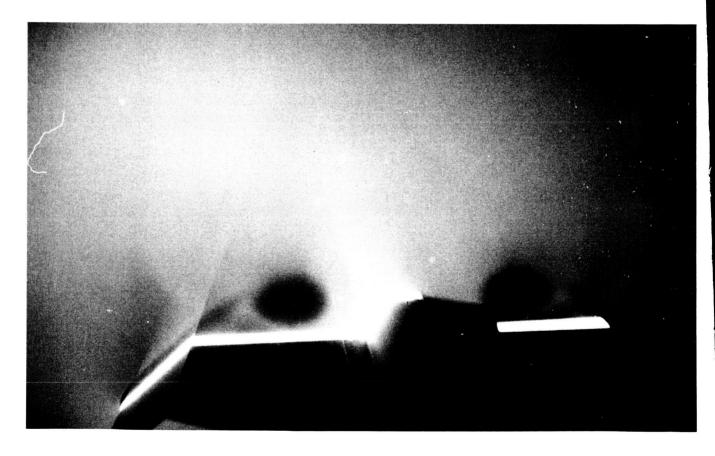
## ORIGINAL PAGE IS OF POOR QUALITY

No data



(f)  $\alpha = 10^{\circ}$ .

Figure D18.- Continued.



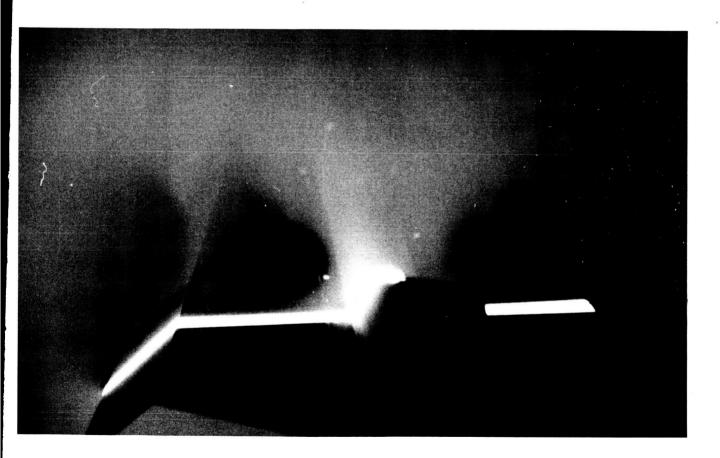
(g)  $\alpha = 12^{\circ}$ .

Figure D18.- Continued.

#### ORIGINAL PAGE IS OF POOR QUALITY

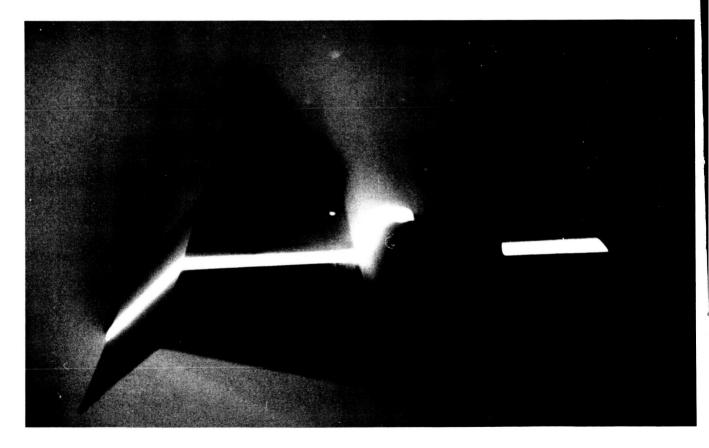
No data

No data



(h)  $\alpha = 16^{\circ}$ .

Figure D18.- Continued.

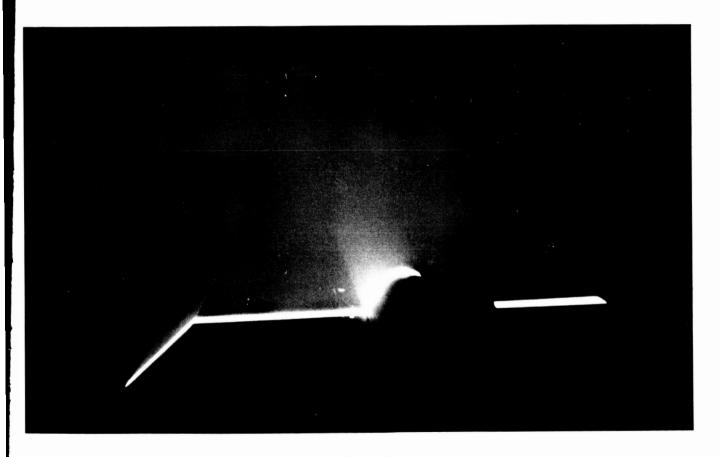


(i)  $\alpha = 20^{\circ}$ .

Figure D18.- Concluded.

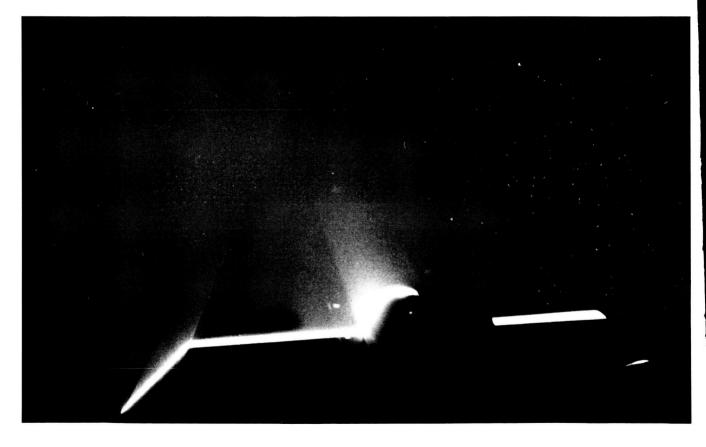
# ORIGINAL PAGE IS OF POOR QUALITY

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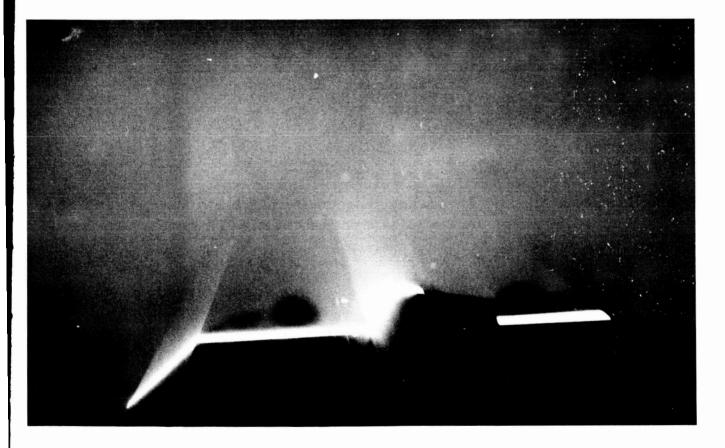
(a)  $\alpha = 0^{\circ}$ .

Figure D19.- Flow visualization data at M = 2.80  $\,$  for 75° delta wing with  $\,\delta_{\rm F}$  = 10°.



(b)  $\alpha = 4^{\circ}$ .

Figure D19.- Continued.



(c)  $\alpha = 6^{\circ}$ .

Figure D19.- Continued.

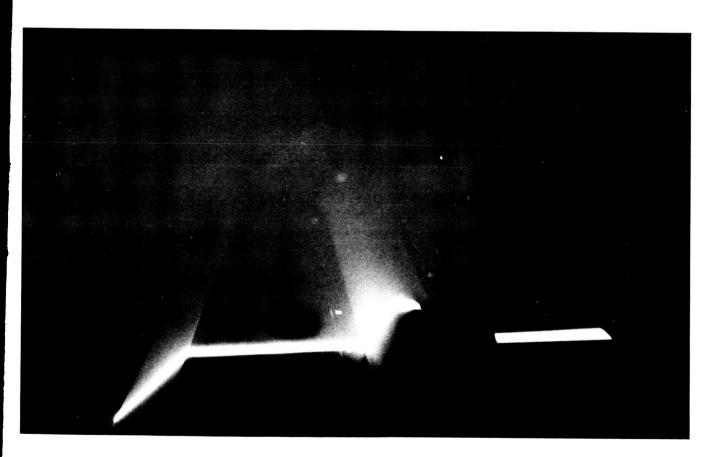


(d)  $\alpha = 7^{\circ}$ .

Figure D19.- Continued.

### ORIGINAL PAGE IS OF POOR QUALITY

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(e)  $\alpha = 8^{\circ}$ .

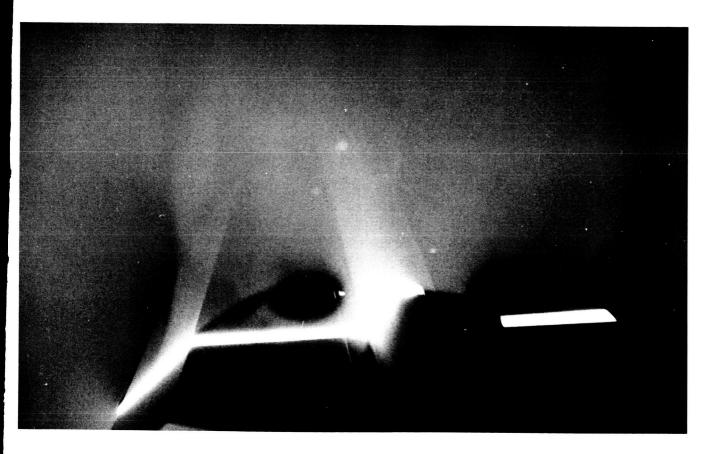
Figure D19.- Continued.



(f)  $\alpha = 10^{\circ}$ .

Figure D19.- Continued.

## ORIGINAL PAGE IS OF POOR QUALITY



(g)  $\alpha = 12^{\circ}$ .

Figure D19.- Continued.



(h)  $\alpha = 16^{\circ}$ .

Figure D19.- Continued.



No data



(i)  $\alpha = 20^{\circ}$ .

Figure D19.- Concluded.



No data

(a)  $\alpha = 0^{\circ}$ .

Figure D20.- Flow visualization data at  $\,$  M = 1.50  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 15°.

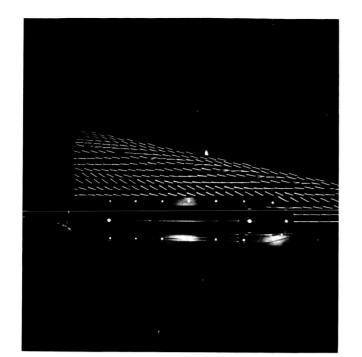


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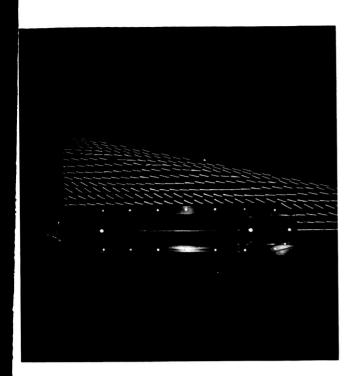
(b) 
$$\alpha = 4^{\circ}$$
.

Figure D20.- Continued.



(c) 
$$\alpha = 8^{\circ}$$
.

Figure D20.- Continued.



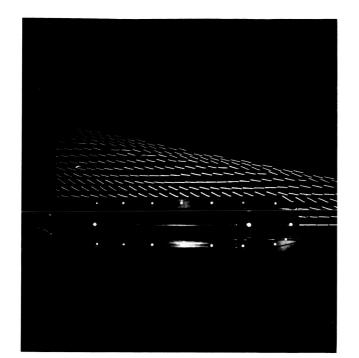
#### ORIGINAL PAGE 18 OF POOR QUALITY

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No data

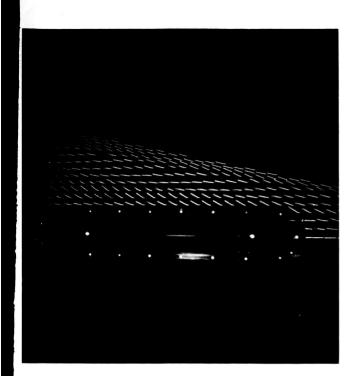
(d)  $\alpha = 9^{\circ}$ .

Figure D20.- Continued.



(e) 
$$\alpha = 10^{\circ}$$
.

Figure D20.- Continued.



### ORIGINAL PAGE IS OF POOR QUALITY

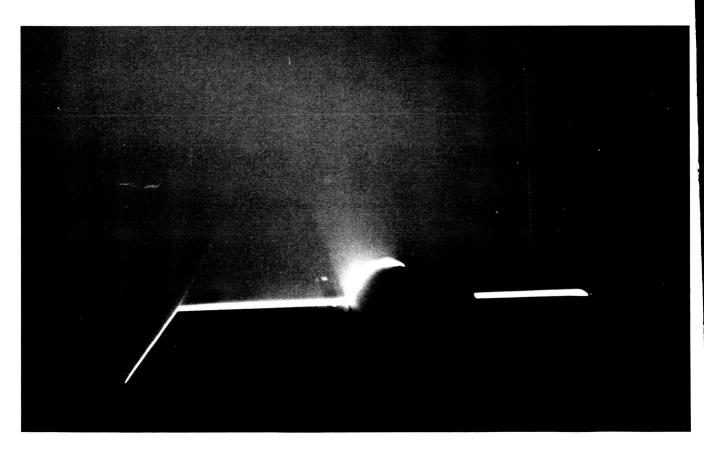
No data

No data

(f)  $\alpha = 11^{\circ}$ .

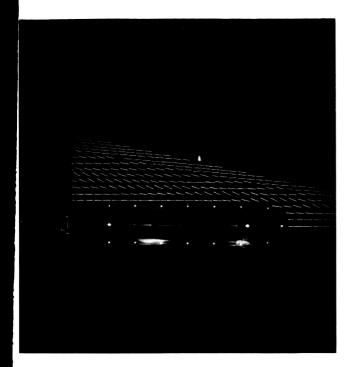
Figure D20.- Concluded.



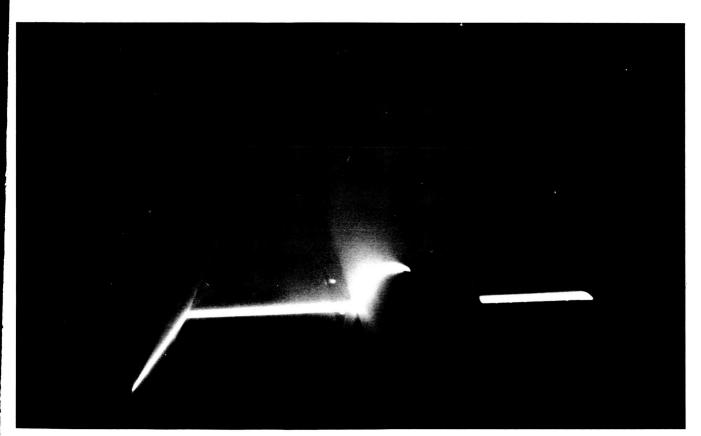


(a)  $\alpha = 0^{\circ}$ .

Figure D21.- Flow visualization data at  $\,$  M = 1.70  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{\rm F}$  = 15°.



## ORIGINAL PAGE IS OF POOR QUALITY

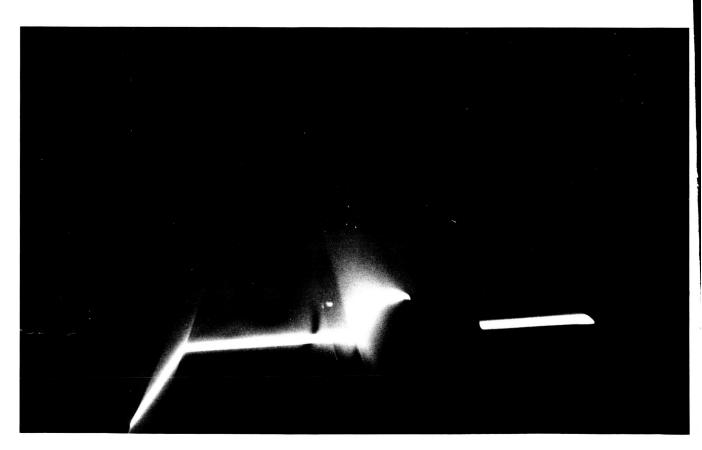


(b)  $\alpha = 4^{\circ}$ .

Figure D21.- Continued.



No data



(c)  $\alpha = 8^{\circ}$ .

Figure D21.- Continued.

#### ORIGINAL PAGE IS OF POOR QUALITY

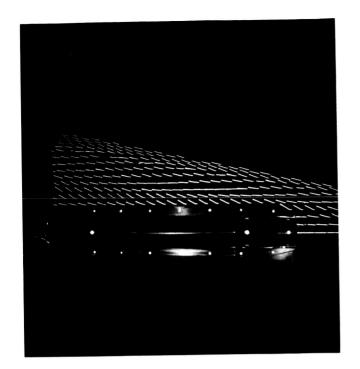


No data

No data

(d)  $\alpha = 9^{\circ}$ .

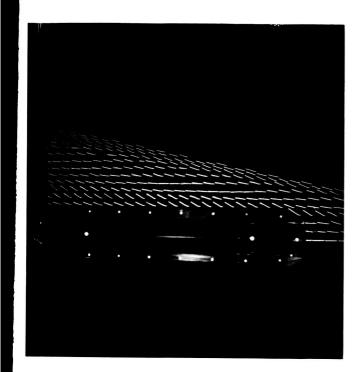
Figure D21.- Continued.



No data

(e)  $\alpha = 10^{\circ}$ .

Figure D21.- Continued.



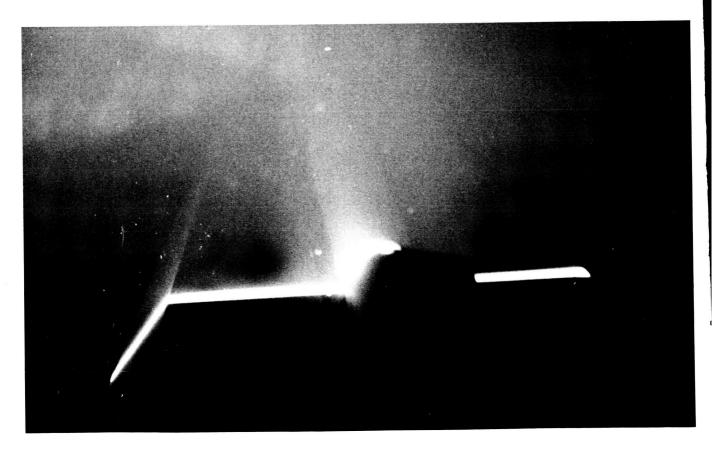
# ORIGINAL PAGE IS OF POOR QUALITY

No data

No data

(f)  $\alpha = 11^{\circ}$ .

Figure D21.- Continued.

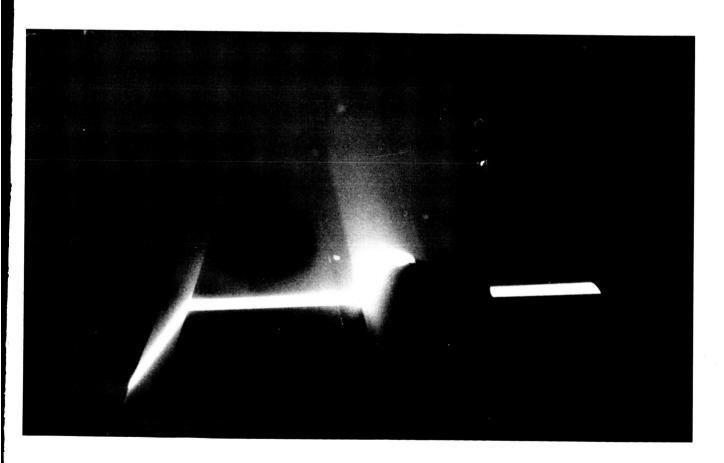


(g)  $\alpha = 12^{\circ}$ .

Figure D21.- Continued.

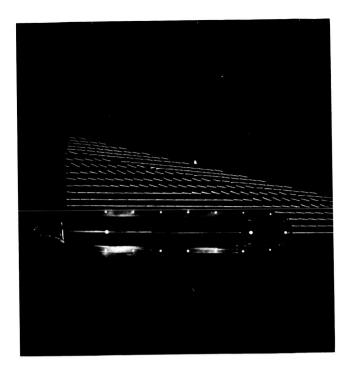
## ORIGINAL PAGE IS OF POOR QUALITY

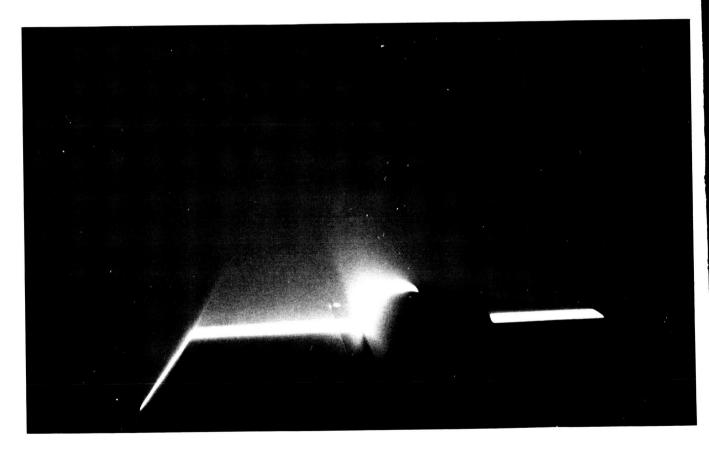
No data



(h)  $\alpha = 16^{\circ}$ .

Figure D21.- Concluded.



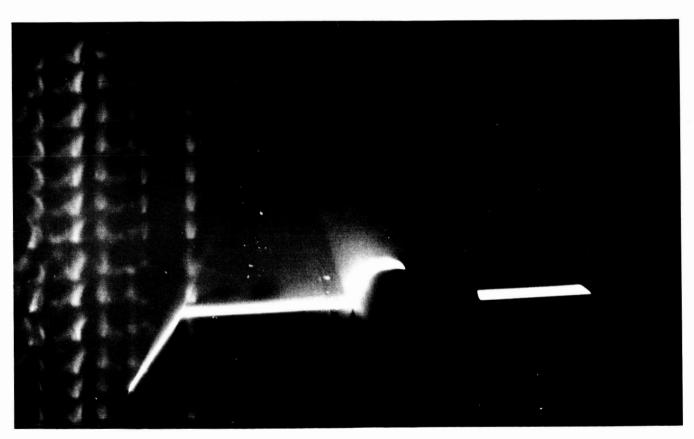


(a)  $\alpha = 0^{\circ}$ .

Figure D22.- Flow visualization data at  $\,$  M = 2.00  $\,$  for 75° delta wing with  $\,$   $\,$   $\!\delta_{F}$  = 15°.

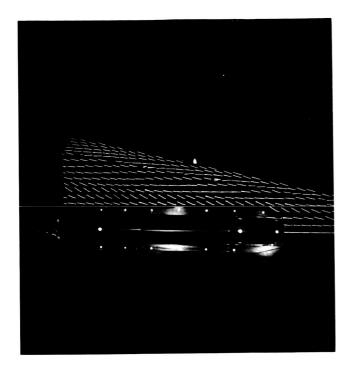


ORIGINAL PAGE IS OF POOR QUALITY

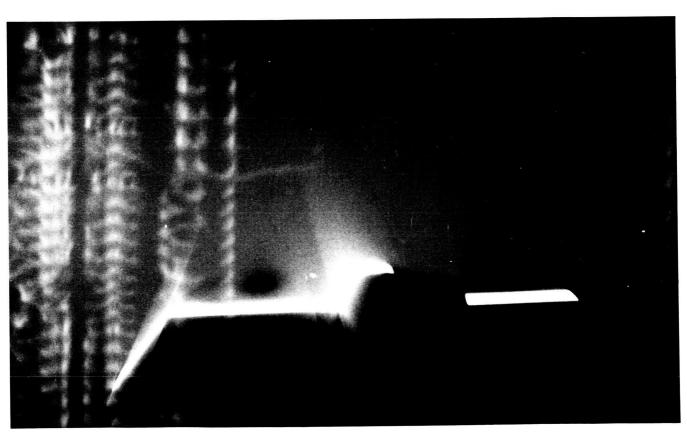


(b)  $\alpha = 4^{\circ}$ .

Figure D22.- Continued.

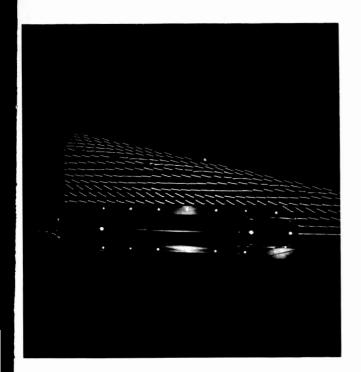


No data



(c)  $\alpha = 8^{\circ}$ .

Figure D22.- Continued.



## ORIGINAL PAGE IS OF POOR QUALITY

No data

No data

(d)  $\alpha = 9^{\circ}$ .

Figure D22.- Continued.



No data

(e)  $\alpha = 10^{\circ}$ .

Figure D22.- Continued.

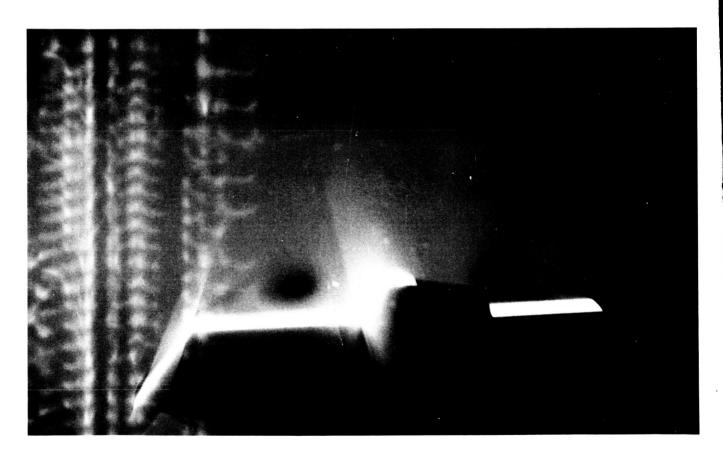


No data

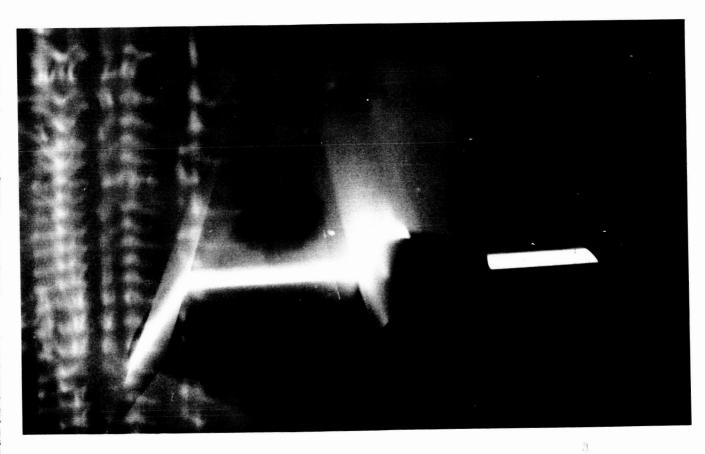
No data

(f)  $\alpha = 11^{\circ}$ .

Figure D22.- Continued

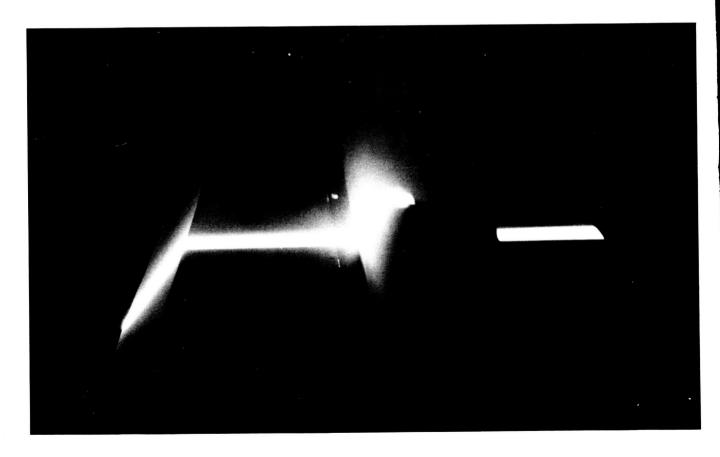


(g)  $\alpha = 12^{\circ}$ . Figure D22.- Continued.



(h)  $\alpha = 16^{\circ}$ .

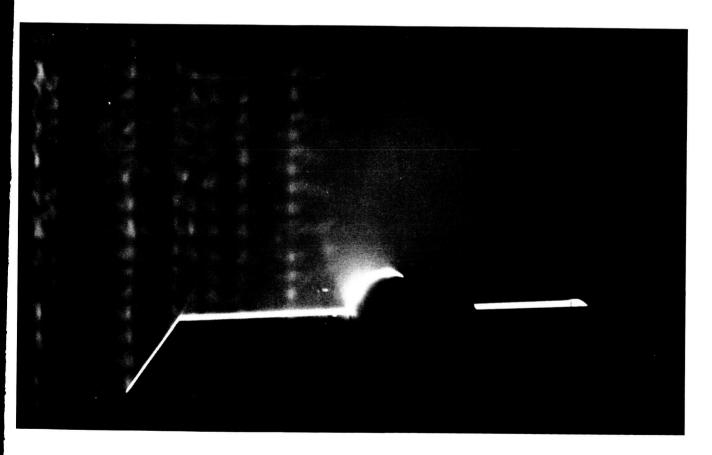
Figure D22.- Continued.



(i)  $\alpha = 20^{\circ}$ .

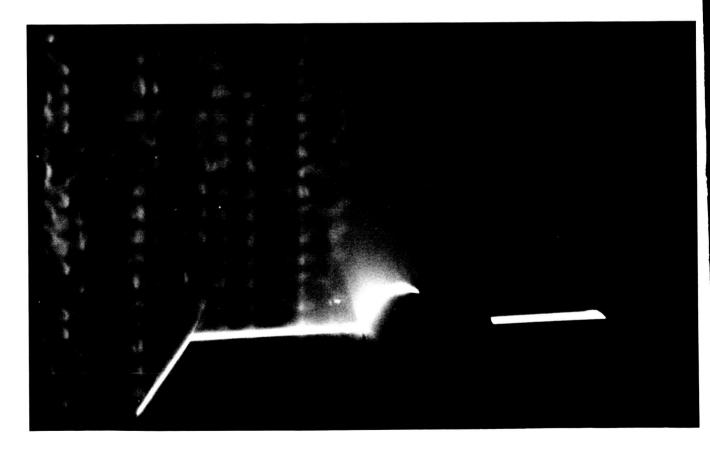
Figure D22.- Concluded.

No data



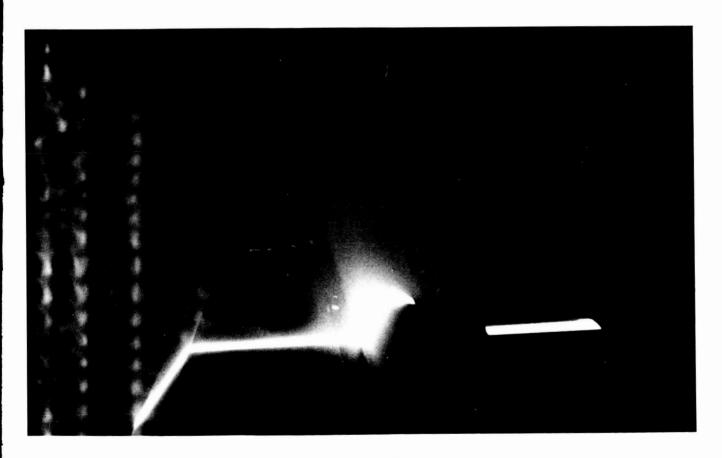
(a)  $\alpha = 0^{\circ}$ .

Figure D23.- Flow visualization data at M = 2.40  $\,$  for 75° delta wing with  $\,\delta_{\rm F}$  = 15°.



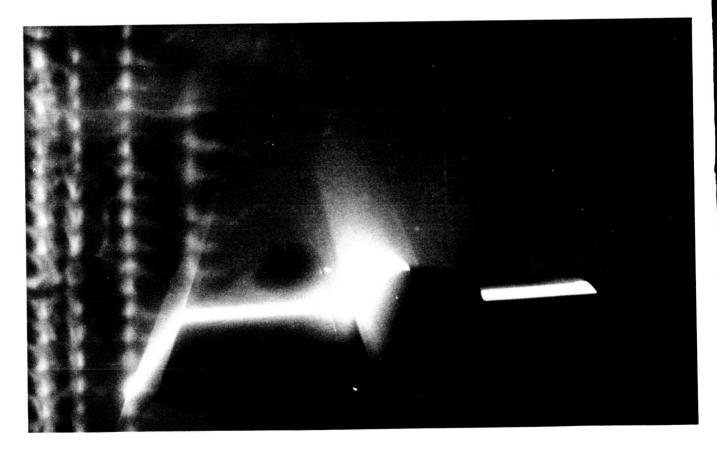
(b)  $\alpha = 4^{\circ}$ .

Figure D23.- Continued.



(c)  $\alpha = 8^{\circ}$ .

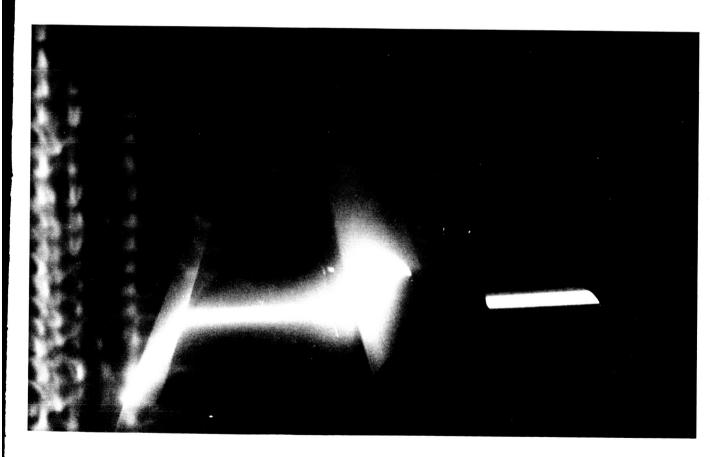
Figure D23.- Continued.



(d)  $\alpha = 12^{\circ}$ .

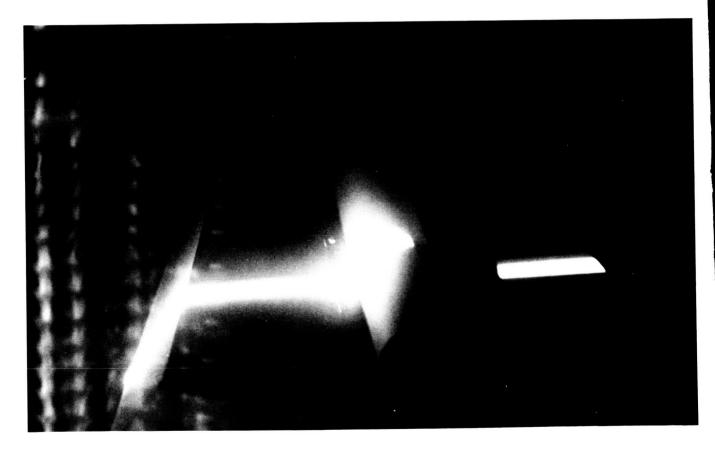
Figure D23.- Continued.

No data



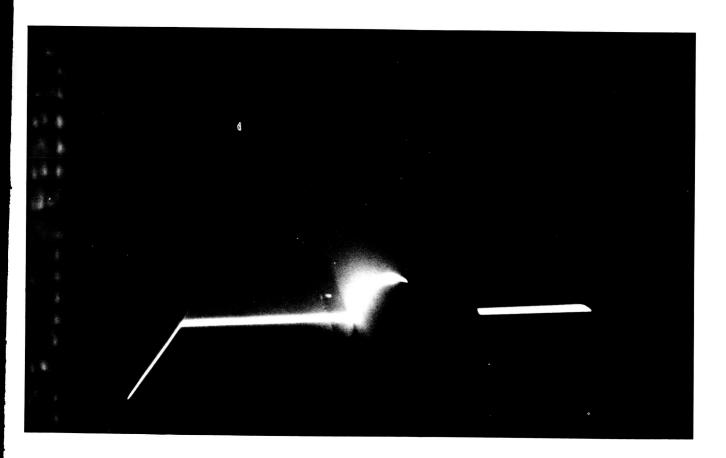
(e)  $\alpha = 16^{\circ}$ .

Figure D23.- Continued.



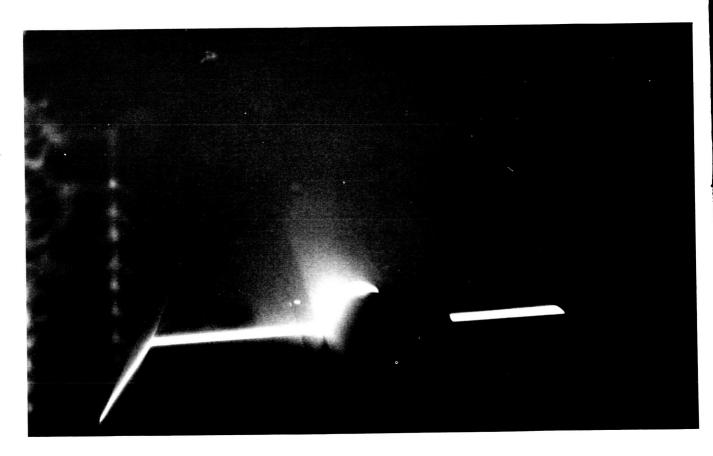
(f)  $\alpha = 20^{\circ}$ .

Figure D23.- Concluded.



(a)  $\alpha = 0^{\circ}$ .

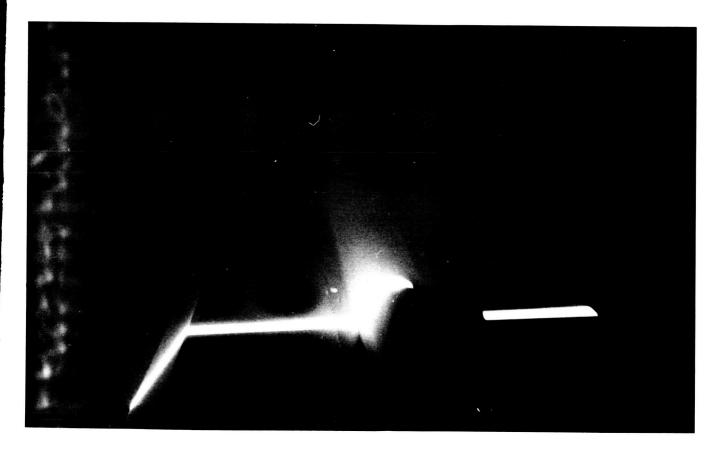
Figure D24.- Flow visualization data at M = 2.80  $\,$  for 75° delta wing with  $\,\delta_F$  = 15°.



(b)  $\alpha = 4^{\circ}$ .

Figure D24.- Continued.

No data No data



(c)  $\alpha = 8^{\circ}$ .

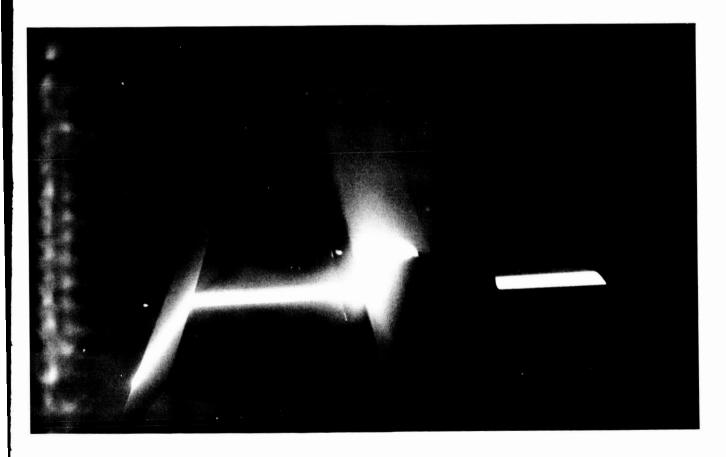
Figure D24.- Continued.



(d)  $\alpha = 12^{\circ}$ .

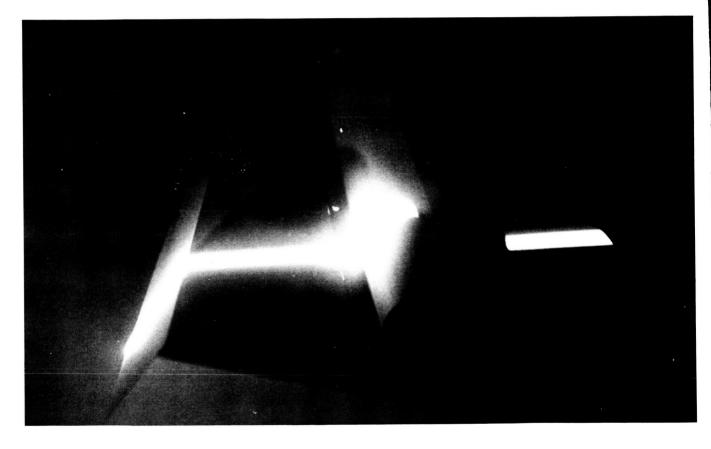
Figure D24.- Continued.

No data



(e)  $\alpha = 16^{\circ}$ .

Figure D24.- Continued.



(f)  $\alpha = 20^{\circ}$ .

Figure D24.- Concluded.

#### APPENDIX E

#### FORCE AND MOMENT DATA

The tabulated force and moment data were reduced with respect to the wing upper surface. The column headings which appear in the tabulated data are defined in table EI. Table EII is an index to the tabulated data presented in table EIII.

TABLE EI.- TABULATED FORCE AND MOMENT DATA SYMBOLS

Tabulated data headings	Definition
Both axes: ALPHA BETA CM CY MACH	Angle of attack, α Angle of sideslip, β Pitching-moment coefficient, C <sub>m</sub> Side-force coefficient, C <sub>Y</sub> Mach number, M
Body axis: CA CAC CA UNC CLB CN CNB R/FT	Axial-force coefficient, C <sub>A</sub> Chamber C <sub>A</sub> Uncorrected C <sub>A</sub> Rolling-moment coefficient, C <sub>I</sub> Normal-force coefficient, C <sub>N</sub> Yawing-moment coefficient, C <sub>n</sub> Reynolds number per foot, R
Stability axis: CD CDC CDC CD UNC CL CLS CNS L/D	Drag coefficient, C <sub>D</sub> Chamber C <sub>D</sub> Uncorrected C <sub>D</sub> Lift coefficient, C <sub>L</sub> Rolling-moment coefficient, C <sub>1</sub> Yawing-moment coefficient, C <sub>n</sub> Lift-drag ratio, L/D

TABLE EII.- INDEX TO TABULATED FORCE AND MOMENT DATA

Run	Configuration	М	R	α, deg	β, deg	Page
108 106 107 109 104 105	75° delta wing with $\delta_{ m F}$ = 0°	1.70 2.80 1.70 2.00 2.40 2.80	1 × 10 <sup>6</sup> 1 2 2 2 2	Sweep	0	585 586 587 588 589 590
60 67 74 69 71 58 62 63 66 73 70	75° delta wing with $\delta_{ m F} = 5^{ m o}$	1.70 2.80 1.70 2.80 1.50 1.70 2.00 2.40 2.80 1.70 2.80	1 × 10 <sup>6</sup> 1 1 2 2 2 2 2 2 2 2	Sweep Sweep Sweep Sweep Sweep Sweep Sweep O O	0 0 Sweep Sweep 0 0 0 0 Sweep Sweep	591 592 593 593 594 595 596 597 598 599
84 82 83 85 80 81	75° delta wing with $\delta_{ m F}$ = 10°	1.70 2.80 1.70 2.00 2.40 2.80	1 × 10 <sup>6</sup> 1 2 2 2 2	Sweep	0	600 601 602 603 604 605
98 96 97 99 94 95	75° delta wing with $\delta_{ m F}$ = 15°	1.70 2.80 1.70 2.00 2.40 2.80	1 × 10 <sup>6</sup> 1 2 2 2 2	Sweep	0	606 607 608 609 610 611

# TABLE EIII.- TABULATED FORCE AND MOMENT DATA

UPWT	PROJE	CT 1514			RUN 108			MACH 1.	70	
BODY AX	IS	AXIAL F	ORCE CORE	RECTED FO	OR CHAMBE	R PRESS	URE		. •	
R/FT	BETA	ALPHA	CN	CA	СМ	ar n	an m			
•995	•00	-4.29	1264	.0110		CLB	CNB	CY	CAC	CA UNC
•988	.00	-2.29	0702	.0118	.0283	.0001	.0001	0011	.0022	.0131
.993	.00	27	0205		.0221	.0001	.0001	0008	.0021	.0139
1.016	.00	1.74		.0126	.0168	.0002	.0001	0011	.0021	.0147
1.029	.00	3.70	.0376	.0129	.0106	.0002	.0001	0010	.0021	.0150
1.023			.0955	.0129	.0044	.0002	.0001	0010	.0021	.0150
1.000	.00	5.70	.1581	.0133	0022	.0002	.0001	0003	.0021	.0154
1.000	•00	7.72	.2233	.0137	0084	.0002	.0001	0005	.0020	.0157
	.00	9.73	.2883	.0137	0150	.0002	.0000	0003	.0021	.0159
1.024	.00	11.73	.3483	.0138	0210	.0001	.0001	0014	.0022	.0160
1.020	.00	15.72	•4734	.0138	0330	.0002	0001	.0000	.0004	.0142
1.008	•00	27	0197	.0124	.0165	.0001	.0001	0008	.0021	.0145
STABILI	TY AXI	S DE	RAG CORRE	CTED FOR	R CHAMBER	PRESSII	? E			
- 1-					· oillibbi	TREBUUT	XL			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-6.1482	•00	-4.29	1253	.0204	.0283	.0001	.0001	0011	.0022	.0225
-4.7824	•00	-2.29	0696	.0146	.0221	.0001	.0001	0008	.0021	.0167
-1.6157	.00	27	0205	.0127	.0168	.0002	.0001	0011	.0021	.0148
2.6446	.00	1.74	.0372	.0140	.0106	.0002	.0001	0010	.0021	.0161
4.9513	.00	3.70	.0945	.0191	.0044	.0002	.0001	0010	.0021	.0212
5.3898	.00	5.70	.1560	.0289	0022	.0002	.0001	0003	.0021	.0310
5.0312	.00	7.72	.2194	.0436	0084	.0002	.0000	0005	.0020	.0456
4.5252	.00	9.73	.2818	.0623	0150	.0002	0000	0003	.0020	.0644
4.0106	.00	11.73	.3382	.0843	0210	.0001	.0001	0014	.0021	.0865
3.1928	.00	15.72	.4519	.1415	0330	.0002	0001	.0000	.0021	.1419
-1.5743	.00	27	0196	.0125	.0165	.0001	.0001	0008	.0021	.0146
				_					• • • • •	• U L T U

UPWT	PROJEC	CT 1514		F	RUN 106			MACH 2.8	0	
BODY AX	ES A	XIAL F	ORCE CORRI	ECTED FO	OR CHAMBE	R PRESSU	RE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
1.001	.00	-4.15	0846	.0074	.0152	.0001	.0001	0009	.0013	.0087
1.001	.00	-2.18	0374	.0077	.0104	.0002	.0002	0006	.0013	.0090
1.001	.00	17	.0058	.0083	.0062	.0000	.0001	0005	.0013	.0096
1.001	.00	1.84	.0491	.0088	.0017	.0003	.0001	0001	.0014	.0101
1.001	00	3.83	.0954	.0091	0028	.0005	.0000	.0006	.0013	.0104
1.001	00	5.85	.1397	.0094	0071	0001	.0000	.0005	.0013	.0107
1.001	00	7.87	.1850	.0098	0115	.0004	0001	.0012	.0013	.0111
1.001	00	9.86	.2279	.0101	0156	.0001	0001	.0008	.0013	.0114
1.001	00	11.85	.2710	.0106	0195	.0002	0001	.0014	.0012	.0118
1.001	00	15.84	.3613	.0115	0277	.0003	0002	.0020	.0009	.0124
1.002	00	19.85	.4506	.0124	0359	.0001	0002	.0017	.0009	.0133
1.001	00	14	.0073	.0083	.0062	.0004	.0001	0001	.0013	.0096
amanti t	my AVT	C .	ORAG CORRE	יפידעות עס	D CHAMRE	p pprssii	R E			
STABILI	TY AXI	5 L	KAG COKKE	CIED FO	K CHAIDL	K IKEDDO	K.D			
L/D	вета	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-6.2183	.00		_	.0135	.0152	.0000	.0001		.0013	.0148
-4.0853	.00			.0091		.0002	.0002	0006	.0013	.0104
.7098	.00			.0082		.0000	.0001	0005	.0013	.0096
4.7159	.00			.0103		.0003	.0001	0001	.0014	.0117
6.1223	00			.0154		.0005	.0000		.0013	.0168
5.8527	00			.0236		0001	.0000	.0005	.0013	.0249
5.1921	00			.0350		.0004	0001		.0013	.0363
4.5475	00			.0490			0001		.0013	.0502
3.9845	00			.0660			0002		.0011	.0672
3.1413	00			.1096			0003	.0020	.0009	.1105
2.5476	00			.1647			0002	.0017	.0008	.1656
.8868	00			.0083			.0001	0001	.0013	.0096
.0000										

UPWT	PROJE	ст 1514			RUN 107			масн 1.7	0	
BODY AX	IS .	AXIAL FO	ORCE CORR	ECTED F	OR CHAMBE	R PRESSU	JRE			
R/FT	BETA	ALPHA	CN	CA	СМ	CLB	CNB	CY	CAC	CA UNC
2.004	.00	-4.25	1261	.0103	.0281	.0001	.0001	0009	.0022	.0125
2.004	.00	-2.27	0705	.0112	.0221	.0002	.0002	0008	.0022	.0134
2.004	.00	25	0200	.0118	.0167	.0001	.0002	0007	.0022	.0139
2.004	.00	1.73	.0354	.0121	.0107	.0001	.0001	0005	.0021	.0143
2.003	.00	3.73	.0955	.0124	.0046	.0002	.0001	0007	.0021	.0145
2.002	.00	5.76	.1586	.0127	0018	.0001	.0001	0001	.0020	.0147
2.002	.00	7.73	.2203	.0128	0082	.0001	.0001	0010	.0020	.0149
2.002	00	9.73	.2835	.0130	0145	.0001	0000	.0003	.0021	.0151
2.002	.01	11.74	.3460	.0131	0207	.0000	.0001	0012	.0022	.0153
2.002	00	15.74	.4716	.0133	0325	.0000	0001	.0008	.0013	.0146
2.002	.00	28	0205	.0118	.0166	.0002	.0001	0006	.0022	.0140
STABILI	TY AXI	S DI	RAG CORRE	CTED FO	R CHAMBER	PRESSU	RE			
L/D	BETA	ALPHA	CL	CD	СМ	CLS	CNS	CY	CDC	CD UNC
-6.3838	.00	-4.25	1250	.0196	.0281	.0001	.0001	0009	.0022	.0218
-5.0015	.00	-2.27	0700	.0140	.0221	.0002	.0002	0008	.0022	.0162
-1.6840	•00	25	0200	.0119	.0167	.0001	.0002	0007	.0022	.0140
2.6523	.00	1.73	.0350	.0132	.0107	.0002	.0001	0005	.0021	.0153
5.0789	.00	3.73	.0945	.0186	.0046	.0002	.0000	0007	.0021	.0207
5.4837	.00	5.76	.1566	.0286	0018	.0001	.0000	0001	.0020	.0306
5.1108	.00	7.73	.2165	.0424	0082	.0001	.0001	0010	.0020	.0444
4.5649	00	9.73	.2773	.0607	0145	.0001	0000	.0003	.0021	.0628
4.0392	.01	11.74	.3361	.0832	0207	.0001	.0001	0012	.0021	.0854
3.1995	00	15.74	.4503	.1407	0325	.0000	0001	.0008	.0013	.1420
-1.7163	.00	28	0204	.0119	.0166	.0002	.0001	0006	.0022	.0141

UPWT	PROJEC	ст 1514		R	un 109			MACH 2.0	0	
BODY AX	ES A	XIAL FO	ORCE CORR	ECTED FO	R CHAMBE	ER PRESSU	JRE			
R/FT 2.001 2.002 2.002 2.001	.00 .00 .00	ALPHA -4.40 -2.3940 1.60	CN 1176 0640 0173 .0342	CA .0087 .0096 .0102 .0105	CM .0238 .0186 .0138 .0088	CLB 0001 0000 .0000	.0000 .0001 .0001	CY 0004 0000 0004 0002	CAC .0021 .0021 .0021	CA UNC .0108 .0117 .0123 .0126
2.001 2.001 2.001 2.003 2.002 2.002 2.002	.00 00 00 00 00 .01	3.64 5.63 7.67 9.63 11.61 15.63 19.63	.0904 .1441 .1992 .2514 .3045 .4125	.0108 .0111 .0113 .0115 .0117 .0121	.0035 0018 0071 0119 0167 0263 0349	.0001 .0000 .0001 0000 .0001 .0001	.0000 .0001 .0001 .0000 0000 .0001	0004 0001 0001 0001 .0004 0014 0018	.0021 .0021 .0021 .0021 .0021 .0021	.0129 .0132 .0133 .0136 .0138 .0142
STABILI			RAG CORRE			R PRESSUI	RE CNS	CY	CDC	CD UNC
-6.5855 -5.1861 -1.6675 2.9508 5.4161 5.6617 5.1914 4.6062 4.0688 3.2096 2.6033	.00 .00 .00 00 00 00 00 00	1.60 3.64 5.63 7.67 9.63 11.61 15.63	0635 0172 .0339 .0895 .1423 .1959 .2460 .2959	.0177 .0122 .0103 .0115 .0165 .0251 .0377 .0534 .0727 .1228	.0238 .0186 .0138 .0088 .0035 0018 0071 0119 0167 0263 0349	.0001	.0001 .0000 .0001 .0000 .0000 0000	0004 0000 0004 0002 0004 0001 0001 0004 0014	.0021 .0021 .0021 .0021 .0021 .0021 .0021 .0021 .0021	.0198 .0143 .0124 .0136 .0186 .0272 .0398 .0555 .0748 .1248

UPWT	PROJE	CT 1514			RUN 104			MACH 2.	40	
BODY AX	IS	AXIAL F	ORCE CORF	RECTED F	OR CHAMB	ER PRESS	URE			
R/FT 2.004 2.005 2.003 2.004 2.004 2.004 2.002 2.002 2.002 2.002 2.003	BETA .00 .00 00 00 01 01 01 01 01	ALPHA -4.45 -2.4545 1.55 3.53 5.52 7.56 9.57 11.58 15.59 19.5647	CN101405600108 .0390 .0838 .1325 .1841 .2337 .2807 .3764 .47620080	CA .0078 .0085 .0090 .0093 .0096 .0098 .0101 .0104 .0107 .0113 .0120 .0090	CM .0183 .0139 .0097 .0051 .0009 0037 0084 0131 0167 0249 0329 .0092	CLB .0004 .0004 .0001 .0004 .0004 .0001 .0006 .0000 .0004 .0001	CNB .0002 .0002 .0001 .0000 0000 0000 0001 0002 0002 0004	CY 0010 0007 0003 .0000 .0007 .0012 .0012 .0020 .0024 .0025 .0034 0004	CAC .0017 .0017 .0017 .0017 .0017 .0017 .0017 .0017 .0017 .0008 .0017	CA UNC .0095 .0102 .0107 .0111 .0113 .0116 .0118 .0121 .0124 .0130 .0128
STABILI	ry axi	S DI	RAG CORRE	CTED FO	R СНАМВЕН	R PRESSUI	RE			
L/D -6.4185 -5.1078 -1.1781 3.7259 5.6483 5.8111 5.2901 4.6627 4.0857 3.2101 2.6045 8773	BETA .00 .00 00 00 01 01 01 01 01 01	ALPHA -4.45 -2.4545 1.55 3.53 5.52 7.56 9.57 11.58 15.59 19.5647	CL 1004 0555 0107 .0387 .0830 .1309 .1812 .2287 .2728 .3595 .4447 0080	CD .0156 .0109 .0091 .0104 .0147 .0225 .0342 .0491 .0668 .1120 .1708	CM .0183 .0139 .0097 .0051 .0009 0037 0084 0131 0167 0249 0329	CLS .0004 .0004 .0001 .0004 .0004 .0001 .0006 .0000 .0003 0001	CNS .0002 .0002 .0001 .0000 0000 0002 0002 0003 0004	CY001000070003 .0000 .0007 .0012 .0012 .0020 .0024 .0025 .00340004	CDC .0017 .0017 .0017 .0017 .0017 .0017 .0017 .0016 .0007	CD UNC .0174 .0126 .0108 .0121 .0164 .0243 .0359 .0507 .0685 .1136 .1715 .0108

UPWT	PROJEC'	г 1514		R	บท 105		:	MACH 2.80	)	
BODY AXI	S A	XIAL FO	RCE CORRE	CTED FO	R CHAMBEF	PRESSU	RE			
2.004 2.004 2.005 2.006	.00	ALPHA -4.16 -2.17 17 1.85 3.87 5.86 7.82 9.85 11.88 15.87 19.85 14	CN08480408 .0025 .0448 .0916 .1374 .1772 .2225 .2664 .3552 .4482 .0028	CA .0070 .0076 .0082 .0084 .0087 .0090 .0093 .0095 .0099 .0107 .0116 .0081	CM .0150 .0107 .0066 .0021 0026 0070 0108 0151 0192 0272 0354 .0065	CLB .0002 .0003 .0002 .0001 .0004 .0002 .0001 .0001 .0002 .0004 .0003	.0001	CY0011000500040000 .0005 .0008 .0013 .0015 .0022 .0028 .00430002	CAC .0014 .0014 .0014 .0014 .0013 .0013 .0013 .0013 .0012 .0007	CA UNC .0083 .0090 .0095 .0098 .0101 .0103 .0106 .0108 .0112 .0119 .0123 .0095
STABILI			RAG CORRE	CTED FO	R CHAMBEF	R PRESSU	RE			
L/D -6.4088 -4.4028 .3111 4.5318 6.1089 5.9103 5.2277 4.5830 4.0090 3.1543 2.5612 .3542	BETA .00 .00 .00 00 00 01 01 01 	ALPIIA -4.16 -2.1717 1.85 3.87 5.86 7.82 9.85 11.88 15.87	0841 0405 .0025 .0445 .0908 .1357 .1743 .2176 .2587 .3387 .4176	CD .0131 .0092 .0081 .0098 .0149 .0230 .0333 .0475 .0649 .1074	.0107 .0066 .0021 .0026 .0070 .0108 .0151 .0192 .0272 .0354	CLS .0001 .0003 .0002 .0001 .0001 .0000 .0001	.0001 .0001 .0001 .0001 .00001 .00001 .00002 .00002 .00003 .00003	0005 0004 0000 .0005 .0008 .0013 .0015 .0022 .0028 .0043	CDC .0014 .0014 .0014 .0014 .0013 .0013 .0013 .0011 .0007	CD UNC .0145 .0105 .0095 .0112 .0162 .0243 .0346 .0488 .0658 .1085 .1637

UPWI	PROJE	ECT 1514	•		RUN 60			MACH 1.	70	
BODY AX	IS	AXIAL F	ORCE COR	RECTED F	OR CHAMB	ER PRESS	URE			
R/FT 1.000 1.002 1.003 1.002 1.005 1.005 1.003 1.000 .993	BETA .00 .00 00 00 00 01 01 01	ALPHA -4.53 -2.5155 1.47 3.50 4.47 5.48 7.52 11.47 15.5254	CN 1556 0993 0484 .0027 .0545 .0819 .1117 .1804 .3092 .4421 0492	CA .0157 .0145 .0134 .0116 .0101 .0090 .0078 .0068 .0044 .0018	CM .0297 .0241 .0189 .0133 .0079 .0050 .0019 0045 0173 0301 .0191	CLB0001000100000000 .0000 .00010000 .00020000	CNB .0003 .0005 .0007 .0004 .0003 .0001 0000 0003 0005	CY 0012 0019 0019 0007 .0003 .0010 .0025 .0046 .0058 0010	CAC .0023 .0022 .0022 .0022 .0022 .0021 .0020 .0022 .0025	CA UNC .0180 .0168 .0156 .0138 .0123 .0112 .0099 .0087 .0066 .0043
STABILI	TY AXI	S DI	RAG CORRE	ECTED FO	R CHAMBEI	R PRESSUI	RE			
L/D -5.5022 -5.2300 -3.4792 .2060 4.0047 5.2634 5.9873 5.8706 4.5930 3.5438 -3.5162	BETA .00 .00 00 00 00 01 01 01 .00	ALPHA -4.53 -2.5155 1.47 3.50 4.47 5.48 7.52 11.47 15.5254	CL153909860482 .0024 .0538 .0810 .1104 .1780 .3022 .42550491	CD .0280 .0189 .0139 .0116 .0134 .0154 .0303 .0658 .1201	CM .0297 .0241 .0189 .0133 .0079 .0050 .0019 0045 0173 0301	CLS000100000000 .0000 .000100000000 .000100020000	CNS .0003 .0005 .0007 .0004 .0003 .0001 .0001 0000 0003	CY0012001900190007 .0007 .0003 .0010 .0025 .0046 .00580010	CDC .0023 .0022 .0022 .0022 .0022 .0021 .0020 .0022 .0024	CD UNC .0303 .0211 .0161 .0138 .0156 .0175 .0206 .0323 .0680 .1225 .0162

UPWT	PROJEC	CT 1514		F	RUN 67			MACH 2.80	)	
BODY AX	IS A	AXIAL FO	RCE CORRE	ECTED FO	OR CHAMBE	R PRESSU	RE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
1.000	00	-4.17	1033	.0104	.0164	0003	.0001	.0000	.0013	.0117 .0110
1.005	00	-2.17	0576	.0097	.0123	0002	.0001	0000	.0013	.0101
1.006	00	16	0190	.0088	.0083	.0002	.0002	0002	.0014	.0088
.999	00	1.87	.0248	.0074	.0041	.0001	.0001	0001	.0014 .0014	.0079
.993	00	3.84	.0633	.0066	.0003	.0000	.0001	.0001	.0014	.0070
.994	00	4.88	.0891	.0057	0021	.0000	.0001	.0001	.0013	.0064
1.000	00	5.88	.1160	.0050	0044	.0002	.0001 .0001	.0004 .0001	.0013	.0057
1.002	00	7.87	.1603	.0044	0090	.0002	.0000	.0001	.0012	.0043
1.001	00	11.88	.2524	.0031	0175	.0003	0001	.0002	.0009	.0030
1.000	.00	15.87	.3442	.0022	0261 0343	.0003	0001	.0003	.0009	.0020
1.000	.00	19.84	.4365	.0011	.0082	0000	.0001	0001	.0013	.0101
1.001	.00	13	0176				DΓ			
STABIL	ITY AXI	is D	RAG CORRE	CTED FO	OR CHAPIDE	K PKESSU	КL			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-5.7266				.0179	.0164	0003			.0013	.0192
-4.8214	00			.0119	.0123	0002	.0001		.0013	.0132
-2.1429				.0088	.0083	.0002			.0014	.0102
2.9802				.0082	.0041	.0001	.0001		.0014	.0096
5.8137				.0108	.0003	.0000			.0014	.0121
6.6589				.0133	0021	.0001			.0013	.0146
6.8077				.0169	0044				.0013	.0182
6.0228				.0263					.0013	.0276
4.4763			.2464	.0550	0175	.0003			.0012	.0562
3.4346				.0962	0261				.0008	.0970
2.7498				.1492	20343				.0009	.1501
-1.9884				.0088	.0082	20000	.000	10001	.0013	.0102

UPW	T PROJI	ECT 1514			RUN 74			MACH 1.	70	
BODY A	XIS	AXIAL FO	ORCE CORI	RECTED F	OR CHAM	BER PRESS	URE			
R/FT .998 1.002 1.008	BETA 8.02 4.05 2.01	ALPHA 11.68 11.68 11.69	CN .3160 .3169 .3174	CA •0038 •0042 •0042	CM 0177 0179 0178	CLB 0126 0060 0030	CNB 0018 0004 0002	CY .0071 .0004 0009	CAC .0026 .0023 .0023	CA UNC •0064 •0065 •0065
STABIL	ITY AXI	S DE	RAG CORRE	ECTED FO	R CHAMBI	ER PRESSU	RE			
L/D 4.5608 4.5331 4.5286	BETA 8.02 4.05 2.01	ALPHA 11.68 11.68	CL .3087 .3095 .3100	CD •0677 •0683 •0685	CM 0177 0179	CLS 0127 0060	CNS .0008 .0008	.0004	CDC .0026 .0023 .0023	CD UNC .0703 .0706 .0707
UPWI	י סטר וב	am 1514								
	ROJE	CT 1514		]	RUN 69			MACH 2.8	80	
BODY AX			RCE CORR			ER PRESSI	URE	MACH 2.8	30	
			CN .2502 .2488 .2480 .2498	CA .0036 .0033 .0035		CLB006100350019 .0001	CNB0010000500060000	CY .0021 .0017 .00340000	CAC .0013 .0011 .0011	CA UNC .0049 .0045 .0046
R/FT 1.001 1.001 1.001	BETA 8.01 4.04 2.04	AXIAL FO ALPHA 11.87 11.86 11.86 11.86	CN •2502 •2488 •2480 •2498	CA .0036 .0033 .0035 .0033	CM0165016801710172	CLB 0061 0035 0019	CNB0010000500060000	CY .0021 .0017 .0034	CAC .0013 .0011	.0049 .0045 .0046

UPWT	PROJEC	т 1514		R	.un 71			MACH 1.50	)	
BODY AXI	IS A	XIAL FO	RCE CORRE	ECTED FO	R CHAMBE	R PRESSU	RE			
R/FT 1.995 1.997 2.004 2.005 2.004 2.003 2.002 2.000 2.000 2.000	.00	ALPHA -4.41 -2.4443 1.61 3.57 4.56 5.58 7.59 9.5840	CN164210900535 .0002 .0519 .0827 .1133 .1850 .25800500	CA .0164 .0155 .0140 .0126 .0105 .0092 .0077 .0066 .0056	CM .0338 .0286 .0226 .0167 .0112 .0082 .0051 0021 0094 .0224	CLB .0000 .0001 .0001 .0000 0001 .0000 0001 .0000 0001	.0001 .0002 .0003 .0001 .0000 .0002 .0000 .0000	CY 0005 0006 0008 0005 0003 0001 .0018 .0002 .0003 0003	CAC .0025 .0024 .0023 .0023 .0023 .0022 .0022 .0020 .0019	CA UNC .0189 .0179 .0164 .0149 .0128 .0114 .0099 .0086 .0074
STABILI	TY AXIS	S D	RAG CORRE	CTED FOI	R CHAMBE	R PRESSUI	KE.			
L/D -5.6103 -5.3832 -3.7034 0140 3.7195 5.1848 5.9914 5.8869 5.2361 -3.4814	BETA .00 .00 .00 00 .00 01 00 00	1.61 3.57 4.56 5.58 7.59 9.58	1625 1082 0534 0002 .0512 .0817 .1120 .1825 3 .2535	CD .0290 .0201 .0144 .0126 .0138 .0158 .0187 .0310 .0484	.0286 .0226 .0167 .0112 .0082 .0051 0021	.0001 0000 0001 .0000 0001	.0000 .0002 .0000	.0002	CDC .0025 .0024 .0023 .0023 .0022 .0022 .0019 .0019	CD UNC .0314 .0225 .0168 .0149 .0160 .0180 .0208 .0329 .0503 .0167

UPW	T PROJE	CT 1514	•		RUN 58			MACH 1.	70	
BODY A	XIS	AXIAL F	ORCE CORI	RECTED F	OR CHAMB	ER PRESS	URE			
R/FT 2.002 2.003 2.002 2.003 2.003 2.003 2.003 2.003 2.003 2.003 2.003 2.003	BETA .00 .00 .00 .00 .00 00 .00 01 .00 00	ALPHA -4.56 -2.3307 -4.54 -2.5152 1.52 3.49 4.45 5.46 7.48 11.47 15.49	CN 1565 0963 0358 1553 1004 0474 .0037 .0545 .0810 .1098 .1784 .3076 .4401	CA .0150 .0141 .0124 .0150 .0141 .0128 .0114 .0096 .0084 .0071 .0060 .0037	CM .0297 .0236 .0176 .0296 .0242 .0189 .0132 .0080 .0053 .0025 0041 0167 0292	CLB0000 .0000 .00010000 .0001 .0000 .0001 .00010000 .0001 .0001	CNB .0005 .0004 .0003 .0001 .0004 .0003 .0002 .0000 .0001	CY 0020 0013 0008 0006 0012 0007 0004 .0002 0002 .0008 .0011 0006	CAC .0024 .0023 .0022 .0024 .0023 .0022 .0022 .0022 .0022 .0021	CA UNC .0174 .0164 .0147 .0174 .0164 .0150 .0136 .0118 .0106 .0092 .0080
STABILI L/D	TY AXI:	S DI ALPHA	RAG CORRE			.0000 R PRESSUI		.0012	.0025	.0035
-5.6525 -5.3179 -2.8698 -5.6389 -5.3792 -3.5836 .2977 4.1801 5.4609 6.2214 6.0287 4.6426 3.5754	.00 .00 00 .00 00 00 01 01 .00	-4.56 -2.33 07 -4.54 -2.51 52 1.52 3.49 4.45 5.46 7.48 11.47 15.49	1548 0956 0358 1536 0996 0473 .0034 .0538 .0801 .1086 .1761 .3007 .4238	.0274 .0180 .0125 .0272 .0185 .0132 .0115 .0129 .0147 .0175 .0292 .0648	.0297 .0236 .0176 .0296 .0242 .0189 .0132 .0080 .0053 .0025 0041 0167	0001 .0000 .0001 0000 .0001 .0001 0000 .0001 .0001 .0003 0000	CNS .0005 .0004 .0003 .0001 .0004 .0003 .0002 .0001 .0000 .0000 -0001	CY0020001300080006001200070004 .00020002 .0008 .00110006 .0012	CDC .0024 .0023 .0022 .0023 .0023 .0022 .0022 .0022 .0022 .0021 .0020	CD UNC .0297 .0203 .0147 .0296 .0208 .0155 .0137 .0151 .0168 .0196 .0312 .0668 .1209

UPWT	PROJEC	т 1514		R	UN 62			MACH 2.00	)	
BODY AXI	IS A	XIAL FO	RCE CORR	ECTED FO	R CHAMBE	R PRESSU	RE			
R/FT	ВЕТА	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
2.001			1383	.0131	.0243	.0001	.0003	0010	.0022	.0152
2.002			0905	.0123	.0197	.0001	.0002	0006	.0022	.0145
2.002	00		0422	.0111	.0152	0000	.0002	0004	.0021	.0133
2.002	00	1.40	.0060	.0098	.0104	.0001	.0002	0003	.0022	.0120
2.001	00	3.39	.0536	.0082	.0058	.0001	.0001	0001	.0022	.0104
2.001	00	4.38	.0787	.0072	.0034	.0001	.0001	.0001	.0022	.0093
2.003	00	5.39	.1066	.0061	.0009	.0000	.0001	.0005	.0021	.0082
2.003	00	7.36	.1640		0043	.0001	.0000	.0006	.0021	.0075
2.002	00	11.35	.2767	.0034	0144	.0000	0001	.0009	.0021	.0055
2.002	00	15.40	.3888	.0014	0241	.0001	0002	.0012	.0023	.0037
2.003	01	19.34			0335	.0000	0002	.0016	.0021	.0017
2.001	00	64	0410	.0111	.0151	.0001	.0002	0004	.0021	.0133
STABILI	TY AXIS	S DI	RAG CORRE	ECTED FOR	R CHAMBE	R PRESSU	RE			
							****	av	and	CD UNC
L/D	BETA	ALPHA	$_{ m CL}$	CD	CM	CLS	CNS	CY	CDC	
-5.6514	.00	-4.64	1368	.0242	.0243			0010	.0022	.0264
-5.4370	00	-2.66	0898	.0165	.0197	.0001	.0002	0006	.0021	.0187
-3.6249	00	66	0421	.0116	.0152	0000		0004	.0021	.0138
.5734	00	1.40	.0057	.0100	.0104	.0001		0003	.0022	.0121
4.6525	00	3.39	.0530	.0114	.0058				.0022	.0136
5.9169	00	4.38	.0779	.0132	.0034	.0001			.0022	.0153
6.5807	00			.0160	.0009	.0000			.0021	.0182
6.1392	00			.0264	0043	.0001			.0020	.0284
4.6846	00			.0578	0144	0000			.0020	.0598
3.5817	00			.1045	0241				.0022	.1067
2.8559	01			.1650	0335				.0020	.1670
-3.5277	00		0409	.0116	.0151	.0001	. 0002	0004	.0021	.0137

UPWI	PROJE	CT 1514			RUN 63			MACH 2.4	0	
BODY AX	IS	AXIAL F	ORCE CORE	RECTED F	OR CHAMB	ER PRESS	URE			
R/FT 2.001 2.001 2.001 2.001 2.003 2.004 2.004 2.002 2.003	BETA000000000000000	ALPHA -4.46 -2.4345 1.53 3.57 4.52 5.58 7.57 11.54	CN118607370285 .0122 .0598 .0782 .1103 .1603	CA .0114 .0108 .0097 .0085 .0071 .0064 .0052 .0046	CM .0190 .0150 .0111 .0074 .0031 .0012 0014 0061	CLB00010002 .00010001 .0003 .0001 .0003	CNB .0002 .0001 .0002 .0000 .0001 .0000 .0001	CY0003 .00000002 .0001000100030001	CAC .0017 .0017 .0017 .0018 .0018 .0018 .0018	CA UNC .0132 .0125 .0114 .0103 .0089 .0081 .0070 .0063
2.003 2.004 2.002 STABILI	.00 01 00	15.52 19.54 43	.3566 .4601 0260	.0016 .0002 .0096	0230 0312 .0109	.0004 .0003 .0002	.0001 0002 .0001	0009 .0020 .0001	.0017 .0016 .0018	.0033 .0018 .0113
L/D -5.6999 -5.2708 -2.8645 1.3500 5.4901 6.1959 6.8566 6.1622 4.6200 3.5410 2.8135 -2.6550	BETA000000000000000	ALPHA -4.46 -2.4345 1.53 3.57 4.52 5.58 7.57 11.54 15.52 19.5443	CL 1174 0732 0284 .0120 .0592 .0774 .1093 .1583 .2522 .3432 .4335 0259	CD .0206 .0139 .0099 .0089 .0108 .0125 .0159 .0257 .0546 .0969 .1541	CM .0190 .0150 .0111 .0074 .0031 .0012 0014 0061 0145 0230 0312 .0109	CLS00010002 .00010004 .0001 .0003 .0002 .0001 .0004 .0002	CNS .0002 .0001 .0002 .0000 .0001 .0001 0001 0000 0003	CY0003 .00000002 .0001000100030001 .00070009 .0020 .0001	CDC .0017 .0017 .0018 .0018 .0018 .0017 .0017 .0017	CD UNC .0223 .0156 .0117 .0106 .0126 .0143 .0177 .0274 .0562 .0986 .1556

UPWT	PROJEC	СТ 1514		R	RUN 66			MACH 2.8	0	
BODY AX	19 /	ΔΥΤΔΙ ΕΩ	RCE CORR	ECTED FO	В СНАМВІ	ER PRESSI	IRE.			
DODI AX	10 1	MIND I	OROL CORR	LOIDD IO	K Olhulbi	JK TREEDE	JKL			
R/FT	ВЕТА	ALPHA	CN	CA	СМ	CLB	CNB	CY	CAC	CA UNC
2.002	00	-4.14	1008	.0101	.0161	0002	.0000	.0004	.0014	.0115
2.004	00	-2.17	0608	.0095	.0125	0001	.0000	.0003	.0014	.0109
2.003	00	13	0191	.0086	.0085	.0002	.0001	0000	.0014	.0099
2.002	00	1.85	.0205	.0074	.0048	.0001	.0001	.0000	.0014	.0089
2.002	00	3.85	.0621	.0064	.0008	0000	.0000	.0000	.0014	.0078
2.002	00	4.88	.0863	.0054	0016	.0001	.0001	.0000	.0014	.0067
2.001	00	5.87	.1105	.0046	0039	.0003	.0001	0001	.0014	.0060
2.002	00	7.86	.1529	.0039	0079	.0002	.0001	.0001	.0013	.0053
2.002	00	11.90	.2491	.0026	0170	.0006	.0001	0001	.0013	.0039
2.003	.00	15.86	.3346	.0015	0246	.0003	.0001	0009	.0011	.0026
2.002	.00	19.86	.4305	.0004	0333	.0001	0001	.0003	.0011	.0014
2.003	00	14	0208	.0086	.0086	.0000	.0001	.0001	.0014	.0100
COLDITI	m17 4 37 T	a n	D. 4. GODDE	amun nor	o outanen	D DDECON	D.F.			
STABILI	TY AXL	5 D	RAG CORRE	CIED FOR	K CHAFIBE	K PKESSU	KE			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-5.7398	00	-4.14	0998	.0174	.0161	0002	.0000	.0004	.0014	.0187
-5.1248	00	-2.17	0604	.0118	.0125	0001	.0000	.0003	.0014	.0132
-2.2217	00	13	0191	.0086	.0085	.0002	.0001	0000	.0014	.0100
2.5022	00	1.85	.0203	.0081	.0048	.0001	.0001	.0000	.0014	.0095
5.8483	00	3.85	.0616	.0105	.0008	0000	.0000	.0000	.0014	.0119
6.7447	00	4.88	.0855	.0127	0016	.0001	.0001	.0000	.0014	.0141
6.8961	00	5.87	.1095	.0159	0039	.0003	.0001	0001	.0014	.0173
6.0822	00	7.86	.1509	.0248	0079	.0003	.0001	.0001	.0013	.0262
4.5096	00	11.90	.2432	.0539	0170	.0006	0000	0001	.0013	.0552
3.4621	.00	15.86	.3214	.0928	0246	.0003	0000	0009	.0011	.0939
2.7605	.00	19.86	.4048	.1466	0333	.0001	0001	.0003	.0010	.1476
-2.3963	00	14	0208	.0087	.0086	.0000	.0001	.0001	.0014	.0101

UPW'	r proje	ECT 1514			RUN 73			MACH 1.	70	
BODY AX	XIS	AXIAL FO	RCE CORF	RECTED F	OR CHAME	BER PRESS	URE			
R/FT 2.002 2.003 2.003	BETA 8.05 4.05 2.00	ALPHA 11.73 11.73 11.73	CN .3190 .3171 .3156	CA .0032 .0035 .0036	CM 0177 0176 0172	CLB 0128 0060 0030	CNB 0011 0002 0002	CY .0028 0013 0006	CAC .0024 .0022 .0021	CA UNC .0056 .0057
STABIL	TY AXI	S DE	RAG CORRE	CTED FO	R СНАМВЕ	ER PRESSU	RE			
L/D 4.5878 4.5609 4.5544	BETA 8.05 4.05 2.00	11.73	CL .3117 .3097 .3083	CD .0679 .0679	0176	0059	.0010	0013	CDC .0024 .0021 .0021	CD UNC .0703 .0700 .0698
UPWT	PROJE	CT 1514		ĵ	RUN 70			MACH 2.8	0	
UPWT BODY AX			RCE CORRI			ER PRESSU	JRE	MACH 2.8	0	
			CN .2444 .2467 .2459 .2435			CLB 0057 0035 0016 .0003	CNB0006000700040000	CY0015 .0027 .00120001	CAC .0014 .0013 .0013 .0013	CA UNC .0044 .0038 .0039 .0040
R/FT 2.001 2.002 2.003	BETA 8.03 4.09 2.05	ALPHA 11.86 11.86 11.86 11.86	CN •2444 •2467 •2459	CA .0030 .0026 .0027	CM 0160 0167 0168 0166	CLB 0057 0035 0016 .0003	CNB 0006 0007 0004 0000	CY 0015 .0027 .0012	CAC .0014 .0013	.0044 .0038 .0039

UPWT	PROJEC	T 1514		F	RUN 84			MACH 1.7	0	
BODY AX	IS A	XIAL FO	RCE CORR	RECTED FO	OR CHAMBE	R PRESSU	JRE			
R/FT	BETA	ALPHA	CN	CA	СМ	CLB	CNB	CY	CAC	CA UNC
.999	02	-4.28	1509	.0191	.0295	0000	0002	.0006	.0025	.0215
1.000	02	-2.27	1020	.0175	.0247	0000	.0001	0004	.0024	.0200
1.000	02	25	0531	.0156	.0199	0001	0001	0001	.0024	.0180
1.001	02	1.71	0049	.0132	.0149	.0001	.0001	0008	.0023	.0155
1.002	02	3.69	.0412	.0110	.0098	0001	.0000	0004	.0022	.0133
1.003	02	5.76	.0923	.0082	.0048	.0000	.0001	0010	.0022	.0105
1.004	02	6.73	.1183	.0062	.0023	.0000	.0001	0011	.0022	.0084
1.005	01	7.71	.1440	.0039	0003	.0001	.0001	0014	.0021	.0060
1.005	01	8.74	.1767	.0022	0030	.0001	.0001	0022	.0021	.0042
1.003	01	9.79	.2131	.0017	0065	.0001	.0001	0017	.0021	.0037
.999	02	11.72	.2752	0000	0123	.0001	.0001	0009	.0023	.0022
•995	01	15.71	.4026	0044	0246	.0001	.0002	0016	.0026	0018
.997	02	28	0529	.0156	.0199	0000	.0001	0002	.0024	.0180
STABILI	TY AXI	S DI	RAG CORRI	ECTED FO	R CHAMBE	R PRESSU	RE			
L/D	ВЕТА	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC -	CD UNC
-4.9260	02	-4.28	1490	.0303	.0295	.0000	0002	.0006	.0025	.0327
-4.6938	02	-2.27	1012	.0216	.0247	0000	.0001	0004	.0024	.0240
-3.3489	02	25	0530	.0158	.0199	0001	0001	0001	.0024	.0182
4029	02	1.71	0053	.0131	.0149	.0001	.0001	0008	.0023	.0154
2.9583	02	3.69	.0404	.0136	.0098	0000	.0000	0004	.0022	.0159
5.2121	02	5.76	.0910	.0175	.0048	.0000	.0001	0010	.0022	.0197
5.8319	02	6.73	.1167	.0200	.0023	.0001		0011	.0022	.0222
6.1335	01	7.71	.1421	.0232	0003	.0001	.0001	0014	.0021	.0253
6.0136	01	8.74	.1743	.0290	0030	.0002		0022	.0020	.0310
5.5376	01	9.79	.2097	.0379	0065	.0001	.0001	0017	.0020	.0399
4.8226	02	11.72	.2695	.0559	0123	.0001		0009	.0022	.0581
3.7083	01	15.71	.3887	.1048	0246	.0001		0016	.0025	.1073
-3.3246	02	28	0528	.0159	.0199	0000	.0001	0002	.0024	.0183

UPWT	PROJE	CT 1514			RUN 82			MACH 2.8	30	
BODY AX	is .	AXIAL FO	ORCE COR	RECTED F	OR CHAMBI	ER PRESS	URE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
1.002	02	-4.18	1024	.0127	.0165	.0001	.0002	0008	.0014	.0140
1.001	02	-2.15	0644	.0116	.0131	0001	.0001	0002	.0014	.0130
1.001	02	17	0265	.0104	.0096	.0001	.0002	0004	.0014	.0118
1.001	02	1.83	.0099	.0091	.0060	0000	.0001	0001	.0014	.0105
1.001	02	3.83	.0493	.0073	.0023	.0001	.0001	.0002	.0014	.0087
1.001	02	5.85	.0894	.0056	0014	.0001	.0001	.0002	.0014	.0070
1.001	02	6.85	.1094	.0047	0033	0000	0000	.0006	.0014	.0060
1.001	02	7.87	.1339	.0033	0056	.0001	.0000	.0007	.0013	.0046
1.001	02	8.87	.1530	.0020	0074	0002	0002	.0011	.0013	.0033
1.001	02	9.86	.1737	.0011	0096	.0001	0000	.0009	.0013	.0024
1.001	02	11.85	.2203	0004	0135	.0000	0002	.0016	.0013	.0009
1.001	02	13.84	.2668	0019	0180	0001	0003	.0021	.0012	0007
1.001	02	15.83	.3110	0031	0218	0001	0003	.0026	.0010	0022
1.000	02	19.87	•4054	0051	0299	0001	0003	.0030	.0011	0040
1.001	02	<b></b> 15	0286	.0105	.0097	.0001	.0002	0003	.0014	.0118
STABILI	TY AXI	S DI	RAG CORR	ECTED FO	R CHAMBEI	R PRESSUI	RE			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-5.0355	02	-4.18	1012	.0201	.0165	.0000	.0002	0008	.0014	.0215
-4.5534	02	-2.15	0639	.0140	.0131	0001	.0001	0002	.0014	.0154
-2.5282	02	17	0265	.0105	.0096	.0001	.0002	0004	.0014	.0119
1.0178	02	1.83	.0096	.0094	.0060	0000	.0001	0001	.0014	.0108
4.5942	02	3.83	.0487	.0106	.0023	.0001	.0001	.0002	.0014	.0120
6.0031	02	5.85	.0884	.0147	0014	.0001	.0000	.0002	.0014	.0161
6.1162	02	6.85	.1081	.0177	0033	0000	0000	.0006	.0013	.0190
6.1233	02	7.87	.1322	.0216	0056	.0001	0000	.0007	.0013	.0229
5.8964	02	8.87	.1509	.0256	0074	0002	0001	.0011	.0013	.0269
5.5439	02	9.86	.1709	.0308	0096	.0001	0000	.0009	.0013	.0321
4.8127	02	11.85	.2157			0000	0002	.0016	.0013	.0461
4.1905	02	13.84	.2595		0180	0002	0002	.0021	.0012	.0631
3.6666	02	15.83	.3001	.0818	0218	0002	0003	.0026	.0009	.0828
2.8795	02	19.87	.3830	.1330	0299	0002	0003	.0030	.0010	.1340
-2.7075	02	<b></b> 15	0286	.0106	.0097	.0001	.0002	0003	.0014	.0119

UPWT	PROJEC	T 1514		Ŗ	RUN 83			MACH 1.7	0	
BODY AX	IS A	XIAL FO	RCE CORE	RECTED FO	R CHAMBE	ER PRESSI	JRE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
2.004		-4.26	1507	.0183	.0294	.0001	0000	.0001	.0025	.0208
2.002	02	-2.30	1025	.0168	.0247	0000	.0001	0005	.0024	.0193
2.003	02	27	0539	.0150	.0198	0000	0000	0001	.0024	.0174
2.002	02	1.70	0053	.0128	.0149	0000	0000	0003	.0023	.0151
2.002	02	3.70	.0410	.0108	.0097	0000	.0001	0003	.0022	.0130
2.002	02	5.72	.0909	.0076	.0049	.0001	.0001	0001	.0022	.0098
2.002	01	6.77	.1182	.0055	.0023	.0000	.0001	0007	.0021	.0076
2.002	01	7.74	.1447	.0031	0001	.0000	.0001	0011	.0021	.0052
2.002	01	8.75	.1756	.0013	0030	.0001	.0002	0015	.0020	.0034
2.002	01	9.80	.2119	.0013	0062	0000	.0001	0012	.0020	.0033
2.002	01	11.72	.2737	0005	0119	.0000	.0002	0014	.0021	.0017
2.002	01	15.71	.4011	0052	0242	0000	.0002	0013	.0025	0027
2.003	02	29	0540	.0151	.0199	.0001	0000	0001	.0024	.0174
STABILI	TY AXI:	S D	RAG CORR	ECTED FO	R CHAMBE	R PRESSU	RE			
L/D	ВЕТА	ALPIIA	CL	CD	СМ	CLS	CNS	CY	CDC	CD UNC
-5.0619	02	-4.26		.0294	.0294	.0001	0000	.0001	.0025	.0319
-4.8564	02	-2.30	1018	.0210	.0247	0000		0005	.0024	.0234
-3.5200	02	<b></b> 27	0538	.0153	.0198	0000		0001	.0024	.0177
4483	02	1.70	0057	.0127	.0149	0000		0003	.0023	.0150
3.0019	02	3.70	.0402	.0134	.0097	0000	.0001	0003	.0022	.0156
5.3881	02	5.72	.0897	.0166	.0049	.0001		0001	.0022	.0188
6.0323	01	6.77	.11,67	.0194	.0023			0007	.0021	.0215
6.3457	01	7.74	.1430	.0225	0001			0011	.0021	.0246
6.1844	01	8.75						0015	.0020	.0300
5.5925	01	9.80		.0373	0062			0012	.0020	.0393
4.8603	01								.0021	.0573
3.7403	01								.0024	.1060
-3.5161	02								.0024	.0177
0.0201										

UPWI	PROJE	CT 1514			RUN 85			MACH 2.0	00	
BODY AX	IS .	AXIAL FO	ORCE CORI	RECTED FO	OR CHAMB	ER PRESS	URE			
R/FT	BETA	ALPHA	CN	CA	СМ	CLB	CNB	CY	CAC	CA UNC
2.003	02	-4.39	1340	.0159	.0241	0000	.0000	.0003	.0023	•0182
2.003	02	-2.37	0894	.0146	.0200	0001	0000	.0005	.0023	.0169
2.004	02	37	0458	.0131	.0159	0000	.0003	0003	.0023	.0154
2.003	02	1.61	0022	.0112	.0119	0000	.0000	0000	.0023	.0134
2.003	02	3.59	.0414	.0093	.0074	0000	.0001	.0001	.0022	.0115
2.002	02	5.58	.0853	.0068	.0034	.0000	.0002	.0006	.0022	.0090
2.002	02	6.62	.1112	.0050	.0011	.0000	.0001	.0005	.0021	.0071
2.002	03	7.63	.1369	.0030	0011	0000	.0000	.0011	.0021	.0051
2.002	02	8.62	.1632	.0012	0034	0000	.0000	0004	.0021	.0033
2.002	02	9.61	.1913	.0006	0059	.0001	.0001	.0001	.0021	.0027
2.002	01	11.59	.2475	0009	0108	.0001	.0001	0010	.0021	.0012
2.002	01	15.59	.3568		0202	0001	.0001	0015	.0023	0021
2.001	04	19.61	.4660	0076	0292	0002	0002	.0035	.0022	0054
2.002	02	40	0461	.0132	.0160	.0001	.0000	.0002	.0023	.0154
CTABIT	TV 4VT	C DI		7.0mmn						
STABILI	II AXI	5 DI	RAG CORRI	ECTED FO	к снамве	R PRESSU	RE			
L/D	ВЕТА	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-5.0665	02	-4.39	1324	.0261	.0241	0000	.0000	.0003	.0023	•0284
-4.8437	02	-2.37	0887	.0183	.0200	0001	0000	.0005	.0023	.0204
-3.4026	02	37	0458	.0134	.0159	0000	.0003	0003	.0023	.0157
2281	02	1.61	0025	.0111	.0119	0000	.0000	0000	.0022	.0134
3.4253	02	3.59	.0408	.0119	.0074	.0000	.0001	.0001	.0022	.0141
5.5918	02	5.58	.0843	.0151	.0034	.0001	.0002	.0006	.0022	.0172
6.1830	02	6.62	.1099	.0178	.0011	.0000	.0001	.0005	.0021	.0199
6.4081	03	7.63	.1352	.0211	0011	0000	.0000	.0011	.0021	.0232
6.2907	02	8.62	.1612	.0256	0034	0000	.0000	0004	.0021	.0277
5.8006	02	9.61	.1885	.0325	0059	.0001	.0001	.0001	.0021	.0346
4.9629	01	11.59	.2426	.0489	0108	.0001	.0001	0010	.0021	.0509
3.7621	01	15.59	.3449	.0917	0202	0001	.0001	0015	.0021	.0939
2.9587	04	19.61	.4415	.1492	0292	0003	0001	.0035	.0022	.1513
-3.4141	02	40	0460	.0135	.0160	.0001	.0000	.0003	.0021	.0157
				10,100	-0100	.5551	•0000	•0002	.0023	•0177

UPWT	PROJEC	CT 1514		I	RUN 80			MACH 2.4	0	
BODY AX	IS A	AXIAL FO	RCE CORF	RECTED FO	OR CHAMBE	R PRESSU	IRE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
2.011	02		1200	.0142	.0195	.0001	.0001	.0003	.0018	.0160
2.003	02	-2.49	0794	.0131	.0159	.0001	.0001	0000	.0018	.0149
2.002	02	48	0423	.0119	.0126	.0002	.0001	0002	.0018	.0137
2.004	02	1.54	.0021	.0102	.0089	.0001		0002	.0018	.0120
2.004	02	3.56	.0421	.0083	.0052	.0002	.0001	0005	.0018	.0101
2.003	02	5.59	.0887	.0060	.0013	.0002	.0002	0005	.0018	.0078
2.004	02	7.58	.1312	.0032	0027	.0002	.0001	0004	.0018	.0050
2.003	02	8.55	.1539	.0019	0047	.0002	.0001	0005	.0018	.0037
2.003	02	9.55	.1767	.0006	0065	.0001	0002	.0004	.0017	.0024
2.001	02	11.58	.2273	0012	0114	.0002	.0001	0002	.0017	.0005
2.002	02	13.56	.2742	0027	0149	.0002	.0002	0006	.0018	0009
2.003	02	15.55	.3244	0040	0191	.0003	.0001	.0002	.0017	0023
2.003	02	6.52	.1053	.0050	0002	.0000	.0000	.0004	.0018	.0068
,2.003	02	45	0393	.0118	.0124	.0001	.0001	0001	.0018	.0136
STABILI	TY AXI	S DF	RAG CORRI	ECTED FO	R CHAMBER	PRESSU	RE			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-5.0467	02	-4.47	1185	.0235	.0195	.0001	.0001	.0003	.0018	.0253
-4.7573	02		0787	.0166	.0159	.0001	.0001	0000	.0018	.0184
-3.4507	02	48	0422	.0122		.0002	.0001	0002	.0018	.0140
.1759	02		.0018	.0103		.0001	.0001	0002	.0018	.0121
3.8110	02		.0415			.0002	.0001	0005	.0018	
6.0056	02		.0877	.0146	.0013	.0002	.0001	0005	.0018	.0164
6.3196	02		.1297	.0205		.0002	.0000	0004	.0017	
6.1375	02		.1519	.0248		.0002	.0001	0005	.0017	
5.8155	02		.1741	.0299		.0001	0002	.0004	.0017	
5.0181	02		.2229	.0444		.0002	.0001	0002	.0017	
4.3312	02		.2672			.0002	.0001	0006	.0017	
3.7736	02		.3136	.0831	0191	.0003	.0001	.0002	.0017	
6.1319	02		.1041			.0000		.0004	.0018	
-3.2450	02	45	0392	.0121	.0124	.0001	.0001	0001	.0018	.0139

UPWI	PROJE	ECT 1514	4		RUN 81			MACH 2.	. 80	
BODY AX	IS	AXIAL H	FORCE COP	RRECTED I	FOR CHAMI	BER PRESS	SURE			
R/FT 2.005 2.003 2.003 2.005 2.003 2.004 2.004 2.004 2.004 2.005 2.004 2.005 2.003 2.003	BETA0202020202020202	ALPHA -4.17 -2.1618 1.84 3.83 5.88 6.85 7.86 8.84 9.83 11.86 15.89 19.9013	CN103006830305 .0064 .0471 .0840 .1038 .1294 .1471 .1693 .2182 .3078 .40030268	CA .0126 .0117 .0105 .0091 .0072 .0056 .0046 .0032 .0023 .0009 0008 0040	CM .0165 .0132 .0098 .0065 .0026 0007 0050 0068 0088 0133 0215 0294 .0096	CLB0001 .0000 .0000 .0001 .0002 .0000 .00010000 .0002 .00000002 .0000	CNB0000 .0001 .0000 .0001 .0000000000000001000100010003 .0001	CY000200010004000100000003 .0002 .0004 .0002 .0010 .0013 .00230003	CAC .0014 .0014 .0014 .0014 .0014 .0014 .0014 .0014 .0014 .0013 .0012	CA UNC .0140 .0131 .0119 .0105 .0086 .0070 .0060 .0046 .0036 .0023 .000600270050 .0118
STABILIT	Y AXIS	S Di	RAG CORRI	ECTED FO	R СНАМВЕ	R PRESSUI	RE			
L/D -5.0762 -4.7598 -2.8918 .6511 4.5080 5.8561 6.0416 6.1256 5.8381 5.5874 4.8452 3.6945 2.9021 -2.5656	BETA0202020202020202	ALPHA -4.17 -2.1618 1.84 3.83 5.88 6.85 7.86 8.84 9.83 11.86 15.89 19.9013	CL101806780305 .0061 .0465 .0830 .1025 .1277 .1450 .1667 .2137 .2971 .37850268	CD .0201 .0142 .0106 .0093 .0103 .0142 .0170 .0208 .0248 .0298 .0441 .0804 .1304	CM .0165 .0132 .0098 .0065 .0026 0007 0027 0050 0068 0088 0133 0215 0294 .0096	CLS0001 .0000 .0000 .0000 .0001 .0002 .0000 .00010000 .0001 .0000	CNS0000 .0000 .0001 .0000 .0001 .0000000000010001000100010002	CY00020001000400010003 .0002 .0004 .0002 .0010 .0013 .00230003	CDC .0014 .0014 .0014 .0014 .0014 .0014 .0014 .0013 .0013 .0012	CD UNC .0215 .0157 .0120 .0107 .0117 .0156 .0183 .0222 .0262 .0312 .0454 .0817 .1315 .0119

UPWT	PROJECT	1514		R	บท 98		1	4ACH 1.70	)	
BODY AXI	s AX	(IAL FO	RCE CORR	ECTED FO	R CHAMBE	R PRESSU	RE			
1.000 1.000 1.001 1.002 1.001 1.001	.000000 .00 .00 .00000000	-2.31 29 1.71 3.74 5.72 7.74 9.76 11.71 15.76	CN1459100205480084 .0374 .0829 .1314 .1853 .2423 .37260541	CA .0207 .0190 .0172 .0150 .0120 .0098 .0059 .0005 0035 0078 .0172	CM .0280 .0237 .0192 .0144 .0092 .0047 .0001 0050 0102 0221 .0191	CLB0001 .0000 .0000 .0001 .0001 .0001 .0004 .0005 .0000	.0005 .0003 .0003 .0002	CY0023002000130013001100090000001600140013	CAC .0026 .0025 .0025 .0024 .0023 .0023 .0022 .0022 .0022 .0025	CA UNC .0233 .0215 .0197 .0174 .0143 .0120 .0081 .0028 0013 0053
STABILIT	ry AXIS	DR	AG CORRI	ECTED FO	R CHAIIBE	R PRESSU	RE			
L/D -4.5614 -4.3082 -3.12195990 2.5308 4.5276 5.5057 5.7161 5.2042 3.8476 -3.0824	BETA .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	ALPHA -4.30 -2.3129 1.71 3.74 5.72 7.74 9.76 11.71 15.7628	CL1439099405470088 .0366 .0815 .1294 .1825 .2380 .36070540	.0235 .0319 .0457 .0937	0102 022	0000 .0000 .0001 .0000 .0001 .0001 .0000 .0004	.0003 .0003 .0002 .0002 .0001 0000 0000	0016	CDC .0026 .0025 .0025 .0024 .0023 .0023 .0022 .0022 .0024 .0025	CD UNC .0341 .0256 .0200 .0171 .0167 .0202 .0257 .0341 .0480 .0961 .0200

UPW	T PROJE	CT 1514			RUN 96			MACH 2.	80	
BODY AXIS AXIAL FORCE CORRECTED FOR CHAMBER PRESSURE										
R/FT	BETA	ALPHA	CN	CA	СМ	CLB	CNB	CV.	0.4.0	
1.001	00	-4.16	1001	.0134	.0159	0002	0000	CY	CAC	CA UNC
1.001	00	-2.18	0686	.0127	.0132	0001	0000	.0006	.0014	.0148
1.001	00	11	0327	.0116	.0101	.0001	•0002	.0005	.0014	.0141
1.001	.00	1.85	.0015	.0103	.0070	.0000	.0002	0002	.0014	.0130
1.001	.00	3.87	.0362	.0087	.0037	.0001	.0001	0003 0006	.0014	.0117
1.000	.00	5.89	.0734	.0071	.0003	0000	.0001	0005	.0014	.0101
1.000	.00	7.86	.1076	.0055	0027	.0001	.0001	0010	.0014	.0085
1.000	.00	9.84	.1463	.0030	0063	0001	0000	0010	.0014	.0068
1.001	.00	11.86	.1899	.0001	0102	.0003	•0000		.0014	.0044
1.001	.00	15.88	.2763	0039	0174	.0003	0001	0014 0005	.0014	.0015
1.001	.01	19.81	.3600	0073	0241	.0003	.0001		.0010	0030
1.000	00	13	0351	.0117	.0103	0000		0021	.0012	0062
				10117	•0103	0000	.0001	0002	.0014	.0131
STABIL	ITY AXI	S DI	RAG CORR	ECTED FO	R СНАМВЕР	R PRESSUI	RE			
L/D	ВЕТА	ALPILA	CL	CD	an t	a				
-4.7996	00	-4.16	0989	CD	CM	CLS	CNS	CY	CDC	CD UNC
-4.4576	00	-2.18	0681	.0206	.0159	0002	0000	.0006	.0014	.0220
-2.8001	00	11	0327	.0153	.0132	0001	0000	.0005	.0014	.0167
.1167	.00	1.85	.0012	.0117	.0101	.0001	.0002	0002	.0014	.0131
3.1864	.00	3.87	.0355	.0103 .0112	.0070	.0000	.0001	0003	.0014	.0117
4.9610	.00	5.89	.0723	.0112	.0037	.0001	.0001	0006	.0014	.0126
5.2617	•00	7.86	.1059	.0201		0000	.0001	0005	.0014	.0159
5.1361	.00	9.84	.1436	.0201	0027	.0001	.0001	0010	.0014	.0215
4.7488	.00	11.86	.1858	.0391	0063	0001	0000	0011	.0013	.0293
3.7148	.00	15.88	.2669	.0391	0102 0174	.0003	.0001	0014	.0013	.0405
2.9648	.01	19.81	.3412	.1151		.0001	0001	0005	.0009	.0728
-2.9719	00	<b></b> 13	0350	.0118	0241	.0003	0001	0021	.0011	.1162
		• • • •	•0550	•0110	.0103	0000	.0001	0002	.0014	.0132

UPWT	PROJEC	T 1514		R	un 97			MACH 1.7	0	
BODY AX	IS A	XIAL FO	RCE CORR	ECTED FO	R CHAMBE	R PRESSU	IRE			
R/FT 2.004	BETA .00	ALPHA -4.30	CN 1460	CA .0199	CM .0278	CLB .0000	CNB •0005	CY 0016	CAC .0025	CA UNC .0225
2.003	.00	-2.27	1002	.0184	.0234	0000 0001	.0003	0010 0010	.0025	.0208 .0191
2.002 2.003	00 00	27 1.71	0553 0104	.0167	.0145	.0000	.0003	0008	.0024	.0169
2.003 2.003	00 00	3.74 5.72	.0371 .0816	.0118	.0093 .0048	.0001	.0003	0006 0001	.0022	.0115
2.002 2.002	00 00	7.72 9.75	.1290 .1829	.0054 .0001	.0001 0049	.0001	.0001 0001	.0002 .0009	.0022	.0076 .0022
2.002	.01	11.74 15.76	.2430	0043 0083	0106 0218	.0005 .0005	.0000	0008 .0006	.0022	0021 0059
2.002 2.002	.01 00	<b></b> 27	0545	.0166	.0189	.0001	.0004	0013	.0024	.0191
STABILI	TY AXI	S DI	RAG CORRI	ECTED FO	R СНАМВЕ	R PRESSU	RE			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-4.6726	.00	-4.30	1441	.0308	.0278	0000	.0005		.0025	.0334
-4.4512	.00	-2.27	0994	.0223	.0234	0000	.0003	0010	.0025	.0248
-3.2646	00		0552	.0169	.0190		.0004	0010 0008	.0024	.0166
7625	00	1.71	0109	.0142	.0145	.0000	.0003		.0024	.0165
2.5490	00			.0142	.0093			0001	.0023	.0195
4.6267	00			.0173	.0048	.0001			.0022	.0249
5.6031	00		,	.0227 .0310					.0021	.0332
5.8094 5.2780	00 .01								.0022	
3.8752	.01								.0023	.0948
-3.2222	00								.0024	.0193

		CT 1514			RUN 99			MACH 2.	00	
BODY AX	IS	AXIAL F	ORCE COR	RECTED F	OR CHAMBI	ER PRESS	URE			
R/FT 2.003 2.003 2.002 2.002 2.002 2.002 2.002 2.002 2.002 2.002 2.002 2.002 2.002	BETA000000000000000	ALPHA -4.41 -2.4237 1.62 3.61 5.60 7.62 9.62 11.58 13.67 18.6538	CN1274086704450029 .0400 .0812 .1257 .1737 .2257 .2825 .41770439	CA .0175 .0162 .0146 .0128 .0104 .0081 .0048 .0005 0036 0063 0107	CM .0228 .0192 .0154 .0115 .0073 .0033 0007 0050 0146 0257 .0153	CLB .0000 .0000 .0000 .0001 .0001 .0001 .0001 .0004 .0003	CNB .0003 .0001 .0001 .0001 .0001 .0000 0000 0001 .0002 0003	CY00050000000200020004 .0004 .0001 .00130030 .00170005	CAC .0023 .0023 .0022 .0022 .0022 .0022 .0021 .0022 .0022 .0022	CA UNC .0198 .0185 .0169 .0150 .0126 .0102 .0070 .0027001500420085 .0169
STABILI	TY AXI	S DF	RAG CORRI	ECTED FO	R CHAMBER	PRESSUI	RE			
L/D -4.6102 -4.3304 -2.98352605 3.0482 5.0171 5.7888 5.7932 5.3113 4.5547 3.2341 -2.9309	BETA000000000000000	ALPHA -4.41 -2.4237 1.62 3.61 5.60 7.62 9.62 11.58 13.67 18.6538	CL 1257 0859 0444 0033 .0393 .0800 .1239 .1711 .2219 .2760 .3992 0438	CD .0273 .0198 .0149 .0127 .0129 .0160 .0214 .0295 .0418 .0606 .1234 .0149	CM .0228 .0192 .0154 .0115 .0073 .0033 0007 0050 0095 0146 0257 .0153	CLS .0000 .0000 .0000 .0001 .0001 .0001 .0001 .0004 .0002	CNS .0003 .0001 .0001 .0001 .0000 0000 0001 .0001 0004	CY00050000000200020004 .0004 .0001 .00130030 .00170005	CDC .0023 .0023 .0023 .0022 .0022 .0021 .0021 .0021 .0021 .0020	CD UNC .0296 .0221 .0172 .0149 .0151 .0235 .0316 .0439 .0627 .1255 .0172

UPWT	PROJEC	T 1514		R	un 94			MACH 2.40	)	
BODY AX	IS A	AXIAL FO	RCE CORR	ECTED FO	R CHAMBE	ER PRESSU	IRE			
R/FT 2.011 2.004 2.002 2.007 2.007 2.005 2.003 2.001 2.001 2.002 2.004	BETA000000 .00 .00 .00 .00 .0000 .00	-2.43	CN1154076304030033 .0375 .0749 .1175 .1612 .2049 .2963 .3980	CA .0156 .0144 .0133 .0117 .0096 .0075 .0051 .0021 0009 0062 0105	CM .0187 .0153 .0120 .0086 .0048 .0013 0024 0061 0097 0177 0254	CLB000100030002 .00000001 .0001 .0002 .0002 .0001 .0003	CNB .0000 0001 0001 0000 0001 0001 0003 0001 0004	CY .0003 .0008 .0006 0000 .0002 0002 0002 .0000 .0002 0008	CAC .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0017 .0018	CA UNC .0175 .0163 .0151 .0135 .0114 .0093 .0068 .0039 .000900440089
2.004 2.004 STABILI	00	45	0428	.0133	.0122	0000 R PRESSU	.0000 RE	0000	.0018	.0151
L/D -4.6497 -4.2819 -2.9624 3112 3.0914 5.0073 5.6399 5.4893 5.0044 3.9231 3.0703	BETA000000 .00 .00 .00 .00 .00 .00	-4.43 -2.43 43 1.54 3.59 5.57 7.59 9.57 11.55 15.50	.0738 .1158 .1586 .2010	.0176 .0136 .0116 .0119 .0147 .0205 .0289 .0402	.0153 .0120 .0086 .0048 .0013 0024 0061 0097	0003 0002 .0000 0001 .0001 .0000 .0002 .0000 .0003	0001 0001 0000 0001 0000 0001 .0000 0003	.0008 .0006 0000 .0002 0002 0002 .0000 .0002	CDC .0018 .0018 .0018 .0018 .0018 .0018 .0017 .0017	.0306 .0419 .0749
-3.1337	00		0427	.0136			.0000	0000	.0018	.0155

## TABLE EIII. - Concluded

UPWT	PROJE	CT 1514			RUN 95			MACH 2.	80	
BODY AX	IS	AXIAL FO	ORCE COR	RECTED F	OR CHAMBI	ER PRESS	URE			
R/FT	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY	CAC	CA UNC
2.004	00	-4.17	1000	.0137	.0161	0001	.0000	.0005	•0014	
2.004	00	-2.13	0675	.0127	.0132	0001	.0000	.0003	.0014	.0151
2.004	00	16	0350	.0117	.0103	.0001	.0001	0004	.0014	.0142 .0131
2.004	00	1.87	0016	.0105	.0073	0000	.0001	0000	.0015	.0131
2.003	.00	3.82	.0322	.0088	.0042	0001	.0000	0002	.0013	.0119
2.003	.00	5.84	.0684	.0070	.0009	0000	.0000	0000	.0014	.0084
2.004	00	7.85	.1058	.0052	0024	.0000	0000	.0005	.0014	.0066
2.003	.00	9.86	.1453	.0027	0060	.0000	0001	0003	.0014	.0041
2.002	.00	11.86	.1855	.0002	0095	0001	0001	.0001	.0014	.0016
2.003	.00	15.85	.2690	0043	0165	.0001	0001	.0003	.0014	0032
2.002	.01	19.88	.3590	0082	0238	.0004	.0001	0024	.0012	0070
2.002	00	16	0355	.0116	.0104	0000	.0001	.0001	.0015	.0131
									•0015	•0151
STABILI	TY AXT	s ne	AC COPPI	FCTED FOI	R CHAMBER	DUEGGI	0.17			
	1211	5 DI	CAG COKK	ECTED FOI	CHAMBE!	C PKESSUI	KŁ			
L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	CDC	CD UNC
-4.7172	00	-4.17	0987	.0209	.0161	0001	.0000	.0005	.0014	.0224
-4.3944	00	-2.13	0670	.0152	.0132	0001	.0000	.0003	.0014	.0167
-2.9701	00	16	<b></b> 0350	.0118	.0103	.0001	.0001	0004	.0015	.0132
1824	00	1.87	0019	.0104	.0073	0000	.0001	0000	.0015	.0119
2.8832	.00	3.82	.0316	.0110	.0042	0000	.0000	0002	.0014	.0124
4.8503	.00	5.84	.0674	.0139	.0009	0000	.0000	0000	.0014	.0153
5.3155	00	7.85	.1041	.0196	0024	.0000	0000	.0005	.0014	.0210
5.1856	.00	9.86	.1427	.0275	0060	.0000	0001	0003	.0014	.0289
4.7358	.00	11.86	.1815	.0383	0095	0001	0001	.0001	.0014	.0397
3.7499	.00	15.85	.2600	.0693	0165	.0001	0001	.0003	.0011	.0704
2.9773	.01	19.88	.3404	.1143	0238	.0005	0000	0024	.0012	.1155
-3.0238	00	16	0354	.0117	.0104	0000	.0001	.0001	.0015	.0132

#### Standard Bibliographic Page

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15. Supplementary Notes			
An experimental investigation visualization data, and force delta wing models which differ camber was achieved through a wing semispan of a reference have leading-edge deflection streamwise. Data for the wing separation dominated the lee-of leading-edge separation or ever, data for the wing with a vortex was positioned on the hinge line. Flow visualizating influence of Mach number, and characteristics of conically data identified the existence general, the aerodynamic force sure and flow visualization in the sure and flow visualization.	and moment ared in lead deflection 75° swept from angles $\delta_F$ angles with $\delta_F$ side wing late deflected on results are of 12 disternal moments and moments are	data were obtaing-edge camba of the outboat of the outboat of 0°, 5°, 1° = 10° and 15° cading and protect portion of the data	per only. Wing leading-edge and 30 percent of the local ag. The four wing models are showed that hinge-line wing leading edge. However, an angle of attack of 5°, with reattachment at the esented which detail the conthe lee-side flow analysis of photographic side flow types. In
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